



## M8, Guided M8 Series

### Product Catalogue





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IP67  
68 / 69K



UL 94-V0



Data  
Transmission



IEC  
Standard



Fully  
Shielded



UV  
Resistant



UL 1977  
UL 2238  
UL 1863



Space  
Saving



Push Pull  
Mechanism

# Product Selection Guide

## Circular (Ceres, X-Lok, M)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					Cat. 5e	Cat. 6A	
Ceres Series																	
Mini	•				•		B	2-6	•		250V	2A-5A	26-24	2,000			500h
Standard	•				•		B	2-12	•		250-600V	2A-10A 5A+2A 10A+5A	26-20	2,000			500h
Middle	•	•			•		P	2-18	•	•	250-600V	2A-20A 5A+2A 10A+2A 10A+5A	24-14	2,000			500h
Large	•				•		B	2-22	•	•	250-600V	2A-20A 20A+2A 20A+5A	26-16	2,000			500h
Macro	•						P	31	•		200V	5A	26	2,000			500h
PLD			•				P	2-4	•		250V	5A	26-20	2,000			500h
MAB	•						P	4	•		250V	10A	20	2,000			500h
GBD		•					P	8	•		250V	10A+5A	20-24	2,000			500h
X-LOK Series																	
Mini / LED			•				B	2-33	•		30-630V	0.5A-16A	32-14	1,000	•	•	1000h
Standard			•				P	2-8	•		300-600V	5A-10A 10A+5A	26-16	1,000			1000h
Middle			•				P	2-12	•	•	300-600V	5A-20A 10A+5A	26-12	1,000			1000h
Large			•				B	2-100	•	•	60V (0.5A) 300-600V	0.5A-20A 20A+5A 50A 50A+5A	32-6	1,000			1000h
Macro			•				P	4-31	•	•	300-600V	5A 50A+5A 80A+5A	22-2	1,000			1000h
M Series																	
M5					•		M	3-6	•		60V	1A	28-26	1,000			48h
Guided M8 / LED					•	Snap-in	B	2-6	•		30-60V	2A-4A 3A+1.5A	24-22	1,000			48h
M8 / LED					•	Snap-in	B	3-13	•		30-60V	0.5A-4A	32-22	1,000			48h
M10.5					•		M	2-5	•		30V	2A	24	1,000			48h
M12 A / LED				•	•		B	3-28	•		30-250V	0.5A-4A	30-22	1,000	•		48h
M12 B / LED				•	•		B	5	•		60V	4A	26-22	1,000			48h
M12 D / LED				•	•		B	4	•		250V	4A	26-22	1,000	•		48h
M12 I				•	•		B	5	•		60V	4A	22	1,000			48h
M12 K / LED				•	•		B	3-5	•		630V	12A, 16A	14	1,000			48h
M12 L / LED				•	•		B	2-5	•		63V	16A	14	1,000			48h
M12 M / LED				•	•		B	3-6	•		630V	8A	16	1,000			48h
M12 S / LED				•	•		B	3-4	•		630V	12A	16	1,000			48h
M12 T / LED				•	•		B	2-4	•		63V	12A	16	1,000			48h
M12 X				•	•		M	8	•		30-60V	0.5A	26	1,000		•	48h
M12 Y				•	•		B	8	•		60V	0.5A / 6A	20, 26	1,000			48h
M23					•		M	6	•		600V	28A	14-12	1,000			48h

Remarks:

Materials: P (Plastic), M (Metal), B (Both)



# Product Selection Guide

	(R0) Receptacle						(FI) Field Installable						OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant	Certifications	Operating Temperature & IP Rating
	Solder	Crimp	SMT	PCB 180	PCB 90	RW	RC	Solder	Crimp	Screw In	Push In	IDC									
Ceres Series																					
Mini	•			•			•	•					•	•	•	(2)	•	•			
Standard	•			•	•		•	•	•				•	•	•	(2)	•	•		UL1977	◦ <b>R0</b> : -40°C - 105°C, IP67 (Unmated)
Middle	•			•			•	•	•				•	•	•	(2)		•		UL1977	◦ <b>RW</b> : -20°C - 85°C, IP67 (Unmated)
Large	•			•				•	•	•			•	•	•	(2)	•	•		UL1977	◦ <b>OC</b> : -20°C - 85°C, IP67 (Mated)
Macro	•			•									•	•	•	(2)		•		UL1977	◦ <b>FI</b> : -40°C - 105°C, IP67 (Mated)
PLD	•							•					•	•	•	(2)		•			
MAB													•	•	•	(2)		•			
GBD													•	•	•	(2)		•			
X-LOK Series																					
Mini / LED	•			•	•			•	•	•	•		•	•	•	(2)	•	•			
Standard	•			•				•	•	•	•		•	•	•	(2)	•	•			
Middle	•			•				•	•	•	•		•	•	•	(2)		•		CSA, UL1977, UL2238, UL50e	◦ <b>R0 &amp; RW</b> : -40°C - 105°C, IP68 (Unmated)
Large	•			•				•	•	•	•		•	•	•	(2)	•	•			◦ <b>OC &amp; FI</b> : -40°C ~ 105°C, IP68 (Mated)
Macro	•	•		•					•	•			•	•	•	(2)		•			
M Series																					
M5	•			•	•	•							•	•	•	(1)		•	IEC 61076-2-105		
Guided M8 / LED	•		•	•	•	•		•	•	•		•	•	•	•	(1)	•	•			
M8 / LED	•		•	•	•	•		•	•	•		•	•	•	•	(1)	•	•	IEC 61076-2-104	UL1977, UL2238	
M10.5	•					•							•	•	94-HB	(1)		•			
M12 A / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238, UL1863	◦ <b>R0</b> : -40°C ~ 105°C, IP67 (Mated / Unmated), IP68 (Unmated), IP69K (Mated)
M12 B / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238	
M12 D / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238, UL1863	
M12 I	•			•				•					•	•	94-HB	(1)		•			◦ <b>RW</b> : -20°C ~ 85°C, IP67 (Mated / Unmated), IP68 (Unmated), IP69K (Mated)
M12 K / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2237	
M12 L / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2238	
M12 M / LED	•		•	•	•	•		•	•	•			•	•	•	(1)	•	•	IEC 61076-2-111		◦ <b>OC</b> : -20°C ~ 85°C, IP67 / IP68 (Mated)
M12 S / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2237	
M12 T / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2238	
M12 X			•	•	•	•		•	•			•	•	•	•	(1)	•	•	IEC 61076-2-109	UL1863	◦ <b>FI</b> : -40°C ~ 105°C, IP67 / IP68 (Mated)
M12 Y				•	•	•		•					•	•	•	(1)	•	•	IEC 61076-2-109	UL1863	
M23		•							•				•	•	•	(1)	•	•			

Remarks:  
**Assemble Style:** **R0** (Receptacle), **RW** (Receptacle With Wires), **RC** (Receptacle With Overmolded Cable), **OC** (Overmolded With Cables), **FI** (Field Installable)  
**Vibration:** **(1)** 10-500 Hz @Amplitude 0.35mm; **(2)** 10-55Hz @Amplitude 1.52mm  
**Operation Temperature & IP Rating:** **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)



# Product Selection Guide

## Circular (FLOS, Power, RBL)

	Mating Style						Materials	No. of Contacs	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	(R0) Receptacle		
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated						Solder	Crimp	Screw In
FLOS Series																		
B				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h	•		
K				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h	•		
K (FLOS+)				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	1000h	•		
C				•			M	2-19	•		160-700V	1.5A-20A	28-16	3,000	144h	•		
S				•			M	1	•		260-1000V	15A	28-16	3,000	144h	•		
Y				•		Break Away	M	2-26	•		260-1000V	5A-14A	28-16	5,000	96h	•		
P				•			P	2-14	•		200-400V	2A-10A	28-16	2,000		•		
N				•			M	2-19	•		200-800V	5A-22A	28-16	3,000	144h	•		
Power Series																		
PWE					•		P	5-7	•		277V	8A	20-17	500	500h	•		
PWF					•		P	2-4	•		277V	12A	18-15	500	500h	•		
PWG					•		P	4	•		277V	16A	18-14	500	500h			•
PWC	•	•					P	3	•		277V	20A	14-12	500	500h	•		
PWCU	•	•					P	4 & 12	•		277V	20A+2A	14-12, 24-22	500	500h	•		
PWH		•			•		P	3, 5	•		660V (AC) 1000V (DC)	25A	12	500	500h		•	•
PWL		•					P	3	•		300V	30A	14-8	500	500h			•
PWM		•					P	2	•		600V	50A	9-8	500	720h	•		
PWMU		•					P	2+2, 2+4	•		600V	50A+2A	9-8, 22-20	500	720h	•		
PWN		•					P	2	•		600V	70A	8-6	500	720h	•		
PWNU		•					P	2+2, 2+4	•		600V	70A + 2A	8-6, 22-20	500	720h	•		
PWP		•					P	2 & 3	•		600V	80A	4	500	720h		•	
PWPD		•					P	2+2, 2+4, 3+2, 3+4	•		600V	80A+5A	4, 20	500	720h		•	
PWX		•					P	9 (30A) 14 (30A+5A) 5 (50A) 12 (50A+5A) 4 (80A) 7 (80A+5A)		•	300-600V	30A, 30A+5A 50A, 50A+5A 80A, 80A+5A	22-20, 14-8, 9-8, 4	500	720h		•	
RBL Series																		
Middle			With Latch				P	2-9	•		300V	5A-10A 10A+5A	20-16	250	48h			
Large			With Latch				P	2-18	•		300V	5A-20A 20A+5A	24-12	250	48h			

Remarks:

Materials: P (Plastic), M (Metal)

Assemble Style: R0 (Receptacle)

# Product Selection Guide

	(R0) Receptacle		RW	(FI) Field Installable			OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
	PCB 180	PCB 90		Solder	Crimp	Screw In									
FLOS Series															
B	•	•		•	•		•		•	(2)	•	•		IP50 (Mated)	◦ <b>R0</b> : -40°C - 125°C ◦ <b>OC</b> : -20°C - 85°C ◦ <b>FI</b> : -40°C - 125°C
K	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
K (FLOS+)	•	•		•	•		•		•	(2)	•	•		<b>R0</b> : IP68 (Unmated) <b>OC</b> : IP68 (Mated) <b>FI</b> : IP68 (Mated)	
C	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
S	•	•		•	•		•		•	(2)	•	•		IP50 (Mated)	
Y	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
P	•	•		•	•		•	•	•	(2)		•		IP50 / IP66 (Mated)	
N	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
Power Series															
PWE				•			•		94-HB	(2)		•	UL1977	IP67 / IP68	◦ <b>R0</b> : -40°C - 105°C ◦ <b>OC</b> : -20°C ~ 80°C ◦ <b>FI</b> : -40°C ~ 105°C
PWF				•			•		94-HB	(2)		•	UL1977, TUV	IP67 / IP68	
PWG						•	•		•	(2)		•	UL1977	IP67 / IP68	
PWC				•		•	•	•	•	(2)		•	UL1977, TUV/UL2238	IP67 / IP68	
PWCU				•			•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
PWH					•	•	•	•	•	(2)		•	UL1977, UL6703A, TUV	IP67 / IP68	
PWL				•		•	•	•	•	(2)		•	UL2238/UL1977	IP67 / IP68	
PWM						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWMIU						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWN						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWNU						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWP					•		•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWPD					•		•	•	•	(2)		•	UL1977	IP67 (Mated)	
PWX					•		•	•	•			•	UL1977	IP69K (Mated)	
RBL Series															
Middle			•		•		•	•	•	(2)		•	UL1977	<b>RW</b> : IP68 (Unmated) <b>OC</b> : IP68 (Mated) <b>FI</b> : IP67 (Mated)	◦ <b>RW</b> : -40°C ~ 105°C ◦ <b>OC</b> : -20°C ~ 80°C, Data: -20°C ~ 80°C Power: -20°C ~ 105°C Hybrid: -40°C ~ 105°C ◦ <b>FI</b> : -40°C ~ 105°C
Large			•		•		•	•	•	(2)		•			

**Remarks:**

**Assemble Style:** **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

**Vibration:** **(2)** 10-55Hz @Amplitude 1.52mm

**Operation Temperature & IP Rating:** **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

# Product Selection Guide

## Circular (HS-Lok, NMEA 2000, Mini, Heavy Duty Shielded)

	Mating Style		Materials	No. of Contacts	Contacts Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	(R0) Receptacle			
	Push Pull	Screw Thread									Solder	PCB 180	PCB 90	RW
HS-Lok Series														
Q8	•		B	2-6	•	100V (DC), 300V, 300V (AC) + 100V (DC)	2A 5A 5A+2A	24-20	2,000	500h	•			
NMEA 2000														
Lite (Micro)	•	•	B	5	•	60V	4A	16*1P+20*1P 18*1P+22*1P 22*1P+24*1P	Push Pull 500, Screw Thread 1,000	Metal: 48h Plastic: 1,000h	•	•	•	•
Heavy (Mini)		•	M	4-5	•	600V	8A	15*1P+18*1P 16*1P+18*1P	1,000		•	•		
7/8" Mini														
7/8" Mini		•	M	2, 2+PE, 4, 4+PE, 6	•	600V	8A-13A	16	1,000	48h	•	•		•
Heavy Duty Shielded														
Heavy Duty Shielded		*	M	2-14	•	50-300V	5A-40A	22-8	1,000	48h / 500h	•			

Remarks:

Materials: **M** (Metal), **B** (Both)

Assemble Style: **R0** (Receptacle), **RW** (Receptacle With Wires)



# Product Selection Guide

	(FI) Field Installable				OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
	Solder	Crimp	Screw In	Push In									
HS-Lok Series													
Q8	•				•	•	(2)			•	UL2238, UL50e	<b>R0:</b> IP68 (Unmated) <b>OC:</b> IP68 (Mated) <b>FI:</b> IP68 (Mated)	◦ <b>R0:</b> -40°C - 105°C ◦ <b>OC:</b> -40°C - 105°C ◦ <b>FI:</b> -40°C - 105°C
NMEA 2000													
Lite (Micro)			•	•	•	•	(1)	•	•	•	NMEA 2000	<b>R0:</b> IP68 (Unmated) <b>RW:</b> IP68 (Unmated) <b>OC:</b> IP68 (Mated)	◦ <b>R0:</b> -40°C - 105°C ◦ <b>RW:</b> -20°C - 85°C ◦ <b>OC:</b> -20°C - 85°C
Heavy (Mini)			•	•	•		94-HB	(1)	•	•	NMEA 2000	<b>FI:</b> IP67 (Mated)	◦ <b>FI:</b> -40°C - 105°C
7/8" Mini													
7/8" Mini	•	•	•		•	•	(1)			•		<b>R0:</b> IP68 (Unmated) <b>RW:</b> IP68 (Unmated) <b>OC:</b> IP68 (Mated) <b>FI:</b> IP67 (Mated)	◦ <b>R0:</b> -40°C - 105°C ◦ <b>OC:</b> -40°C - 105°C ◦ <b>FI:</b> -40°C - 105°C
Heavy Duty Shielded													
Heavy Duty Shielded	•				•	•	94-HB	(1)	•	•		<b>R0:</b> IP68 (Unmated) <b>OC:</b> IP68 (Mated) <b>FI:</b> IP68 (Mated)	◦ <b>R0:</b> -40°C - 105°C ◦ <b>RW:</b> -20°C - 85°C ◦ <b>OC:</b> -20°C - 85°C ◦ <b>FI:</b> -40°C - 105°C

Remarks:

Assemble Style: **OC** (Overmolded With Cables), **FI** (Field Installable)

Vibration: **(1)** 10-500 Hz @Amplitude 0.35mm; **(2)** 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

# Product Selection Guide

## Other IO (RJ45, USB, D-Sub, SSL, HDMI, DVI)

	Mating Style					Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A	USB 2.0
RJ45 Series															
Middle		•		•		B	8		44-57V (DC)	Max. 1.5A	Cat. 6A: 26 / Cat. 5e: 24	750	•	•	
Large / I-Adaptor	•	•		•		P	8		44-57V (DC)	Max. 1.5A	24	750	•		
ODVA	•					B	8		44-57V (DC)	Max. 1.5A	Cat. 6A: 26 / Cat. 5e: 24	750	•	•	
Self-Closing Cover						P	8		44-57V (DC)	Max. 1.5A		750	•	•	
USB Series															
Mini USB Type B				•		P		•	30V	1.5A	28*1P + 28*3C	5,000			•
Type A	•			•		B		•	30V	USB 2.0: 1.5A USB 3.2 Gen1: 1A	28*1P + 24*2C	1,500			•
Type B	•			•		B		•	30V	USB 2.0: 1.5A	28*1P + 24*2C	1,500			•
Micro USB Swift						M		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A		10,000			•
Micro USB Swift-MU					Snap-in	P		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A	28	10,000			•
Type C Swift-LP						M		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-LA					Snap-in	P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			•
Type C Swift-GG				•		B		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-XL			•			P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			
D-SUB Series															
Standard				•	Automated Latch	M	9, 15, 25, 37, 50*	•	125V (DC)	5A	24	500			
High Density				•	Automated Latch	M	15, 26, 44, 62*, 78*	•	125V (DC)	2A	26	500			
SSL Series															
SSL1.1			•			P	2-6	•	100V	3A	22	100			
SSL1.2			•			P	2-4	•	Wire: 250V Flat Cable: 300V	5A	22-18	Wire: 30 Flat Cable: 100			
HDMI Series															
Circular				•		P	19	•	30V (AC)	0.5A	26	500			
Rectangular			•		With Latch	P	19	•	30V (AC)	0.5A	26	500			
Mini-HDMI				•		P	19	•	30V (AC)	0.5A	30	500			
DVI Series															
DDD						M	25	•	40V (AC)	1.5A	28	100			
DDS						M	19	•	40V (AC)	1.5A	28	100			
DID						M	29	•	40V (AC)	1.5A	28	100			
DIS						M	23	•	40V (AC)	1.5A	28	100			

Remarks:  
Materials: P (Plastic), M (Metal), B (Both)

# Product Selection Guide

	High Speed		Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
	USB 3.2 Gen1	USB 3.2 Gen2													
RJ45 Series															
Middle			48h	PCB 90 & 180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ R0: -40°C - 105°C, IP67 (Unmated & Mated)
Large / I-Adaptor			48h	PCB180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ RP: -20°C - 85°C, IP67 (Unmated & Mated)
ODVA			48h	Jack 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ OC: -20°C - 85°C, IP67 (Mated) ◦ FI: -40°C - 105°C, IP67 (Mated)
Self-Closing Cover			48h	•					•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	-40°C - 105°C, IP67 (Unmated)
USB Series															
Mini USB Type B			48h	•	•		•	•		94V-HB	(2)	•	•		◦ R0: -40°C - 105°C, IP67 (Unmated)
Type A	•		48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		◦ RW: -20°C - 85°C, IP67 (Unmated)
Type B	•		48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		◦ OC: -20°C - 85°C, IP67P (Mated) ◦ FI: -40°C - 105°C, IP67 (Mated)
Micro USB Swift			48h	•						•	(2)	•	•		-30°C - 80°C, IP67/IP68 (Unmated)
Micro USB Swift-MU			48h				•			•	(2)	•	•		-40°C - 80°C, IP67 (Mated)
Type C Swift-LP		•	48h	•						•	(2)	•	•		-40°C - 85°C, IP67 (Unmated)
Type C Swift-LA	•		48h	•			•			•	(2)	•	•		◦ R0: -40°C - 85°C, IP68 (Unmated) ◦ OC: -20°C - 85°C, IP67 (Mated)
Type C Swift-GG	•	•	48h	•			•			•	(2)	•	•		◦ R0: -40°C - 85°C, IP67 (Unmated) ◦ OC: -20°C - 85°C, IP67 (Mated)
Type C Swift-XL	•		48h				•			•	(2)	•	•		◦ OC: -20°C - 85°C, IP68 (Mated)
D-SUB Series															
Standard			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		◦ R0: -40°C - 105°C, IP68 (Unmated) ◦ OC: -20°C - 85°C, IP67P (Mated)
High Density			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		◦ FI: -40°C - 105°C, IP67 (Mated)
SSL Series															
SSL1.1				•			•			•	(2)		•	CSA C22.2, UL1977	-40°C - 105°C, Non-IP
SSL1.2				•			•	•	•	•	(2)		•	CSA C22.2, UL1977, cUL UL2238+UL50e	-40°C - 105°C, IP68 (Mated)
HDMI Series															
Circular			48h	•			•			94V-HB	(2)	•	•		◦ R0: -20°C - 85°C, IP67 (Unmated)
Rectangular			48h	•			•			94V-1	(2)	•	•		◦ OC: -20°C - 85°C, IP67P (Mated)
Mini-HDMI			48h	•			•			•	(2)	•	•		
DVI Series															
DDD			8h	•			•				(2)		•		
DDS			8h	•			•				(2)		•		◦ R0: -40°C - 105°C, IP68 (Unmated)
DID			8h	•			•				(2)		•		◦ OC: -20°C - 85°C, IP67P (Mated)
DIS			8h	•			•				(2)		•		

Remarks:

**Assemble Style:** **R0** (Receptacle), **RW** (Receptacle With Wires), **RP** (Receptacle With Pigtail), **OC** (Overmolded With Cables), **FI** (Field Installable)

**Vibration:** **(2)** 10-55Hz @Amplitude 1.52mm

**Operation Temperature & IP Rating:** **R0** (Receptacle), **RW** (Receptacle With Wires), **RP** (Receptacle With Pigtail), **OC** (Overmolded With Cables), **FI** (Field Installable)



# Product Selection Guide

## Other IO (Fiber, RF)

	Mating Style		Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	R0
	3 Points Lock	Screw Thread								
Fiber Optic Series										
LC	•								48h	•
SC	•								48h	•
RF Series										
SMA Type		•	M	1	•	335 Volts RMS At Sea Level	1.13mm, 1.32mm, 1.37mm, RG178	500	48h	•
N Type		•	M	1	•	1,000 Volts RMS At Sea Level	1.13mm, 1.32mm, 1.37mm, RG142, RG178, G58 A/U	500	48h	•

## Other (ZConnect, Cable Joiner, Cable Gland, Pressure Relief Vent, LED)

	Mating Style			Materials	No. of Contacts	Contacts				Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Salt Spray (Connector, Mated)	
	Push Lock With Latch	Screw Thread	Others			Gold Plated	Nickel Plated	Thermo plastic	SUS316L					
ZConnect Series														
FPC / FFC / WTB			Quick Plug	B	46, 36, 20, 18, 12	•				120V	1A		48h	
Cable Joiner Series														
M20		•		P	None, 4	•				450V (Non- UL) 600V (UL)	10A	22-16		
M32	•			P	None, 4	•					15A-30A	16-10		
FICX I Tube (11)		•		P	2-5		•				16A-30A	20-12		
FICX I Tube (12)		•		P	2-5		•				450V (Non- UL) 600V (UL)	8A-20A	18-12	
FICX XI Tube (13)		•		P	2-5		•				450V (Non- UL) 600V (UL)	8A-20A	18-12	
FICX T Tube (T2)		•		P	2-5		•				450V (Non- UL) 600V (UL)	10A-20A	20-12	
Cable Gland Series														
Cable Gland		•		B										
Pressure Relief Vent														
M6 Plastic		•		P				•					1,000h	
M12 Snap-in		•		P				•					1,000h	
M12 Stainless		•		M					•				1,000h	
M12 Plastic		•		P				•					1,000h	
M12 Metal		•		M			•						48h	
LED Light Guide														
Ø3mm				B				•		4V				
Ø5mm				M				•		4V				

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle)

# Product Selection Guide

	FI	UV Resistant	UL 94V-0	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
<b>Fiber Optic Series</b>							
LC	•	•	•		•		-40°C - 105°C, IP67 (Mated)
SC	•	•	•		•		-40°C - 105°C, IP67 (Mated)
<b>RF Series</b>							
SMA Type				•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)
N Type				•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)

	Receptacle	Field Installable	UV Resistant	UL 94V-0	Vibration	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
<b>ZConnect Series</b>									
FPC / FFC / WTB				•		•			-40°C - 110°C, Non-IP
<b>Cable Joiner Series</b>									
M20		•	•	94V-2		•		IP67	-40°C - 105°C
M32		•	•	•		•	UL6703A	IP67	-40°C - 105°C
FICX I Tube (11)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX I Tube (12)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX XI Tube (13)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX T Tube (T2)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
<b>Cable Gland Series</b>									
Cable Gland	•	•		94V-0 94V-2	(2)	•		IP67 (Mated) IP68 (Mated)	• <b>RO</b> : -20°C - 105°C • <b>FI</b> : -20°C - 105°C
<b>Pressure Relief Vent</b>									
M6 Plastic	•		•	•		•		IP66, IP68	-40°C - 125°C
M12 Snap-in	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Stainless	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Plastic	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Metal	•		•	•		•		IP68, IP69K	-40°C - 125°C
<b>LED Light Guide</b>									
Ø3mm	•							IP67	• <b>Red &amp; Green</b> : -30°C - 80°C • <b>Others</b> : -40°C - 80°C
Ø5mm	•							IP67	• <b>Red &amp; Green</b> : -30°C - 80°C • <b>Others</b> : -40°C - 80°C

## Remarks:

Assemble Style: FI (Field Installable)

Vibration: (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: RO (Receptacle), FI (Field Installable)

# Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
LED Lighting																							
Architectural Lighting	•	•	•		•	•	•		•		•	•					•		•	•	•		
Outdoor LED Displays	•	•	•	•	•	•	•				•	•	•				•		•	•	•		
Outdoor Signage	•	•			•	•			•		•		•				•		•	•	•		
Entertainment Lighting & Systems	•	•			•	•	•		•		•	•					•		•	•	•		
Smart City, Street Lighting	•	•			•	•			•		•	•	•				•		•	•	•		
Tunnel Lighting	•	•	•		•	•			•		•		•				•		•	•	•		
Parking Lighting	•	•			•	•	•		•		•	•					•		•	•	•		
Cruise & Shipyards Lighting	•	•	•		•	•		•	•		•	•	•				•		•	•	•		
High Speed Train & EV Bus	•	•			•	•	•		•	•	•		•				•		•	•	•		
Commercial Lighting	•	•	•		•	•	•		•		•	•					•		•	•	•		
Refrigeration Lighting	•	•	•		•	•	•		•		•	•	•				•		•	•	•		
Horticulture Lighting	•	•	•		•	•			•		•		•				•		•	•	•		
Warehouse Lighting	•	•			•	•			•		•	•					•		•	•	•		
Emergency Lighting	•	•	•		•	•	•		•		•	•	•				•		•	•	•		
UV and Sanitary Lighting	•	•	•		•	•	•		•		•		•				•		•	•	•		
Li-Fi	•	•			•	•					•		•				•	•	•	•	•		
Hospital Surgical Lighting & Room	•	•	•		•	•	•		•		•	•	•				•		•	•	•		
ATEX Lighting	•	•			•	•	•						•				•						
Underwater / Submerged Lighting	•	•			•	•							•				•				•		
Marine																							
Multi-FunctionDisplay	•	•	•	•	•	•		•	•	•	•	•			•	•		•			•	•	•
Outboard Motors	•	•	•		•	•		•	•	•							•			•			
Bilge Pump	•	•	•		•	•		•	•	•							•			•			
Heater	•	•	•		•	•	•	•	•	•	•						•		•	•	•		
HVAC	•	•	•		•	•	•	•	•	•	•						•		•	•	•		
(Heating Ventilation Air Conditioning)	•	•	•		•	•		•	•	•							•						
Fridge	•	•	•		•	•	•	•	•	•							•						
Docking System	•	•	•		•	•		•	•	•							•			•			
Windlass	•	•	•		•	•		•	•	•							•			•			
Sensors	•	•	•		•	•		•	•	•							•						
RADAR	•	•	•		•	•		•	•	•	•	•					•	•					
Antenna	•	•	•		•	•	•	•	•	•							•	•					
USB Charger	•	•	•		•	•	•	•	•	•		•					•		•				
Audio System	•	•	•		•	•	•	•	•	•	•	•		•			•		•	•	•		
Lighting System	•	•	•		•	•	•	•	•	•	•	•	•				•		•	•	•		•
CCTV	•	•	•		•	•	•	•	•	•	•	•		•	•		•						
Power Controller	•	•	•		•	•		•	•	•							•		•	•	•		•
Autopilot System	•	•	•		•	•		•	•	•				•	•		•	•					•
Automatic Identification System	•	•	•		•	•	•	•	•	•	•			•	•		•	•			•		•
GPS, Beacon & Lifebuoy	•	•	•		•	•	•	•	•	•	•	•					•	•					
Sonar / Transducer	•	•	•					•	•	•							•						
Fish-Finders	•	•	•					•	•	•	•	•					•						
Chartplotter	•	•	•				•	•	•	•	•	•		•	•		•						•
Sailing Instruments	•	•	•					•	•	•	•	•		•	•		•				•		
Shipyards & Cruise	•	•	•				•	•	•	•	•	•		•	•		•				•		•
Broadband Wireless Access																							
General Small Cells	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
RRH (Remote Radio Head)	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Wireless Mobile Backhaul	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•		
High Capacity Mobile Subscriber Unit	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Outdoor Base Station Unit	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Outdoor LTE	•	•			•	•	•		•	•	•					•	•	•	•	•	•	•	•
Outdoor AP	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Subscriber Station	•	•			•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Outdoor Wireless Mesh Router	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
Base Station Power Supply	•	•		•	•	•	•		•	•						•	•	•	•	•	•	•	•
Communication System														•			•						



# Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
<b>Industrial Automation</b>																						
Robotic Arm			•	•			•	•	•							•						
Industrial Server / Network	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•			•	•	•
Industrial Forklifts (Truck)	•	•	•	•	•	•	•	•	•	•	•		•	•		•			•	•		•
AVI (Automatic visual inspection)	•	•	•	•			•	•	•							•						
Data Communication System	•	•	•	•	•		•	•	•	•	•		•	•		•	•			•	•	•
Industrial Control Center	•	•	•	•	•		•	•	•	•	•		•	•		•				•	•	•
Packaging Center	•	•	•	•			•	•	•							•						
Conveyors	•	•	•	•			•	•	•							•						
Sensors			•					•	•							•						
Power Distribution	•	•	•	•	•			•	•							•						
Actuators	•	•	•					•	•							•						
Motor Drives	•	•	•		•	•		•	•							•						
Industrial PC & Displays	•	•	•	•	•		•	•	•	•	•		•	•		•	•			•	•	•
Machine Tools	•	•	•	•	•			•	•							•						
Switches		•	•	•				•	•	•	•					•						•
Production Equipment	•	•	•	•	•	•	•	•	•	•	•					•				•	•	•
<b>Renewable Energy</b>																						
PV / DC Inverter	•	•	•		•	•		•	•	•						•		•	•	•	•	
Micro Inverter						•				•						•			•	•	•	
CSP & CPV	•	•	•		•	•		•	•							•			•	•	•	
Heliostat	•	•	•		•	•										•			•	•	•	
PV Trackers	•	•	•		•	•		•	•							•			•	•	•	
PV ICS (Integrated Control Systems)					•	•		•	•	•						•			•		•	
Portable Energy	•	•	•		•	•	•	•	•	•	•					•						
Communication System	•	•	•	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•	•
PDC (Power Distribution Control)	•	•	•	•	•	•		•	•	•						•	•		•	•	•	•
Wind Turbine	•	•	•	•	•	•		•	•	•	•					•			•	•	•	•
Energy Storage System	•	•	•		•	•		•	•	•						•			•	•	•	
Tidal Power Generation System	•	•	•	•	•	•		•	•	•						•			•	•	•	•
<b>Heavy Equipment</b>																						
Electronic Toll System	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Automotive Diagnostics	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•				•	•
Agriculture Electronic Equipment	•	•	•	•	•	•		•	•	•	•		•	•		•	•		•	•		•
Lidar & Radar	•	•	•	•				•	•	•	•		•	•		•						
ADAS (Advanced Driver Assistance Systems)	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Telematics & Tracking	•	•	•		•	•	•	•	•	•	•		•	•		•	•	•	•	•	•	•
Camera & Monitoring	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Control System	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Display	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
GPS System	•	•	•	•	•	•	•	•	•	•	•					•	•		•	•		
Lighting	•	•	•		•	•		•	•			•				•		•				
Measurement Systems	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Sensors		•	•	•				•	•							•						
<b>Automated Meter Reading</b>																						
Water Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Electricity Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Gas Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Alarm System	•	•	•	•			•			•	•					•	•		•	•	•	
Military Drone	•	•	•	•			•									•	•		•	•	•	
Vehicle Tracking	•	•	•	•			•			•	•					•	•		•	•	•	
Telemetry	•	•	•	•			•			•	•					•	•		•	•	•	
Sewage	•	•	•	•	•	•	•			•	•					•	•		•	•	•	
<b>Rugged IT</b>																						
Telemetry		•	•	•			•			•						•	•		•	•		
Rugged & Military VR and AR		•	•	•			•				•					•	•		•			
Rugged Notebook				•						•	•		•	•		•	•					•
Night Vision Goggles			•	•			•				•					•						
Miniature Camera											•					•	•					
Rugged Tablet											•		•	•		•	•					
Communication Devices				•						•	•		•	•		•	•				•	•

# Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Zconnect	RF	Cable Gland	Vent	LED Light Guide	D-Sub
<b>Test Equipments</b>																				
Air Flow Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Gas Detectors	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Precision Surveying	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Earthquake Monitoring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Humidity Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Leak Detectors	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Light Measuring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Sound Measuring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Water Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Weighing Devices	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•		
Weigh Modules	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•		
Heavy-duty Scales	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Floor Scales	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Wet Area Weighing	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Dosing Systems	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
In-Motion Weighing	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Borescope	•	•	•	•	•		•	•	•	•	•				•	•		•		
Image Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Timers / Timer Display	•	•	•	•	•		•	•	•	•	•				•	•		•		
Laser Marking System	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Digital Microscopes	•	•	•	•	•		•	•	•	•	•				•	•		•		
<b>Hybrid Electric Vehicles</b>																				
Electric Wheelchair	•	•	•	•	•	•	•	•	•						•					
Electrical and Electronic Speed Control	•	•	•	•	•	•	•	•	•						•					
Electrical and Electronic Brake System	•	•	•	•	•	•	•	•	•						•					
Throttle Controller	•	•	•	•	•	•	•	•	•						•					
Battery Module	•	•	•		•			•	•	•	•	•					•	•		
Motor Module	•	•	•	•				•	•	•	•	•			•		•	•		
Gear Shift Module	•	•	•					•	•	•	•	•			•			•		
Controller Unit	•	•	•	•				•	•	•	•	•			•			•		
Charge Plug / Inlet	•	•			•			•	•	•	•	•			•			•		
Charging Station	•	•			•			•	•	•	•	•			•			•		
Home Charge Platform	•	•			•			•	•	•	•	•			•			•		
Hoverboard	•	•	•	•	•			•	•	•	•	•			•			•		
Electric Scooter	•	•	•	•	•	•	•	•	•						•		•			
<b>Railway Mass Transit</b>																				
Infotainment Systems	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	•
In-Vehicle Information System	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	•
Indication Display	•	•	•	•	•		•	•	•	•	•		•	•	•			•		•
Navigation/GPS	•	•	•				•	•	•	•	•		•	•	•	•				•
HVAC (Heating Ventilation Air Conditioning)	•	•	•	•	•		•	•	•	•					•					
Fuel Leakage Detector	•	•	•	•	•	•	•	•	•	•	•				•					
Broadcasting System	•	•	•	•	•		•	•	•	•	•				•		•			
Vehicle Monitoring	•	•	•	•	•		•	•	•	•	•		•	•	•			•		•
Cleaning Control	•	•	•	•		•	•	•	•	•	•				•					
Speedometer	•	•	•	•	•		•	•	•	•					•					
Interior Lighting	•	•	•	•	•			•	•	•	•	•			•			•		
<b>Mobile Devices</b>																				
DRC (Drone Remote Controller)	•	•	•	•			•				•				•	•				
Altimeter	•	•	•	•			•				•				•	•				
Barcode Reader	•	•	•	•			•				•				•					
GPS Safety Guard		•					•				•				•	•				
Portable Lamp	•	•					•				•				•					
Gesture Measurement	•	•					•				•				•					
Wearables											•				•	•				

# Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
<b>Transportation</b>																					
Vehicle Camera	•	•	•	•		•	•				•		•		•			•	•		
Switch			•							•	•				•						•
Dome Vehicle Camera	•	•	•			•									•						
RFID Reader															•	•					
Bus GPS	•	•	•	•		•	•			•	•		•	•	•	•					
Display	•	•	•	•		•									•						
Outdoor Speaker	•	•	•	•		•									•						
Automotive Winches															•						
Vehicle Charger	•	•	•			•									•						
Wifi Router										•					•						
Fleet Management	•	•	•	•		•									•						
Digital Video Surveillance System	•	•	•	•	•	•		•	•	•					•					•	
<b>Medical Equipment</b>																					
Medical Displays				•	•					•	•		•	•	•				•		•
Mobile Nursing Carts	•	•			•	•	•	•	•						•			•	•		
Non-invasive Devices	•	•		•	•	•	•	•	•	•	•		•	•	•			•	•		•
Electrical Beds	•	•	•		•	•		•	•						•			•	•		
Charges	•	•			•	•		•	•						•			•	•		
Wheelchair Lift	•	•			•	•		•	•						•			•	•		
Wheelchair Stair Lift	•	•			•	•		•	•						•			•	•		
Rehabilitation System	•	•			•	•		•	•						•			•	•		
<b>Automotive Diagnostics</b>																					
Auto Crash Notification	•	•	•	•	•	•	•	•	•	•	•				•	•					•
Vehicle Tracking	•	•	•		•	•	•	•	•		•				•	•			•		
Vehicle Health Alert & Roadside Assistance	•	•	•	•	•	•	•	•	•	•	•				•	•					•
Remote Vehicle Diagnostics	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•
<b>UAV</b>																					
Commercial Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Military Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Consumer Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
<b>Lifts &amp; Materials Handling</b>																					
Forklift	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
Industrial Lift	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
Materials Handling	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
<b>Remote Video Response Center</b>																					
Encoders	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•
Monitoring Station	•	•	•		•	•		•	•	•	•		•	•	•			•			•
CCTV/Dome/IP Camera	•	•	•	•	•	•		•	•	•	•		•	•	•	•	•	•	•	•	•
Remote Control	•	•			•		•			•	•				•			•			•
Junction Box	•	•			•					•	•		•	•	•			•	•		•
Automatic LPRS (License Plate Recognition System)	•	•	•	•	•	•		•	•	•	•		•	•	•	•	•	•	•	•	•
Fingerprint ID											•				•						
Alarm System	•	•	•	•	•	•				•	•		•	•	•	•	•	•	•	•	•
Sensor			•												•						
<b>Autonomous</b>																					
GPS	•	•	•	•			•	•	•	•	•		•	•	•	•					
Lidar	•	•	•	•			•	•	•	•	•		•		•			•	•		
Radar Sensors	•	•	•	•			•	•	•						•	•					
Video Cameras	•	•	•	•			•	•	•		•		•		•			•	•		
Central Computer	•	•	•	•			•	•	•	•	•		•		•						
Inertial Measurement Unit	•	•	•	•	•		•	•	•						•			•			
Inertial Navigation Systems	•	•	•	•	•		•	•	•						•	•		•			
<b>Commercial Military</b>																					
Tank				•																	
Aircraft				•																	
Warship				•																	
Dismounted Soldier				•																	
Software Defined Radios				•																	
Commercial Military				•											•						



# We Are Amphenol LTW

Founded in 1993, Amphenol LTW is a leader in rugged and harsh environment interconnects with the largest array of I/O and products ranging from IP65 to IP69K. The company continually provides innovative interconnect solutions for ever-demanding environments and is proactively committed to contributing to a safer and greener environment. Amphenol LTW features interconnects for technologically advanced products with environmentally friendly results.



## Amphenol LTW Technology & CNC Plant

- Headquarters: Taipei, Taiwan
- 150 Employees



## Kunshan Amphenol Zhengri Electronics

- Kunshan, China
- 400 Employees



**110+**

Amphenol  
Divisions



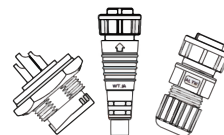
**75+**

Distribution  
Channels



**30+**

Market  
Applications



**80,000+**

Products

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more information

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# Our Capabilities

Both factories located in Taiwan and China are ISO9001:2015, ISO14001:2015, and UL certified. Our Test Laboratory is certified by TAF and is a member of UL WTDP reliable partner. Wherever required, most of our products are TUV/VDE, UL/CSA certified. Thanks to our strict standards, we are able to contribute to your projects and design exactly what you need. From standard to customized products, Amphenol LTW has the right solutions for your applications.



Test Laboratory Accreditations    Quality Assurance

International Certifications



## Automated Production Line

Capability: Contacts, Parts, and Shells

Number of Automatic Machines: 11

Production Capacity : 125,000 pins per day  
(24 hours)

Number of CNC Machines: 33

Production Capacity : 125,000 pins per day  
(24 hours)



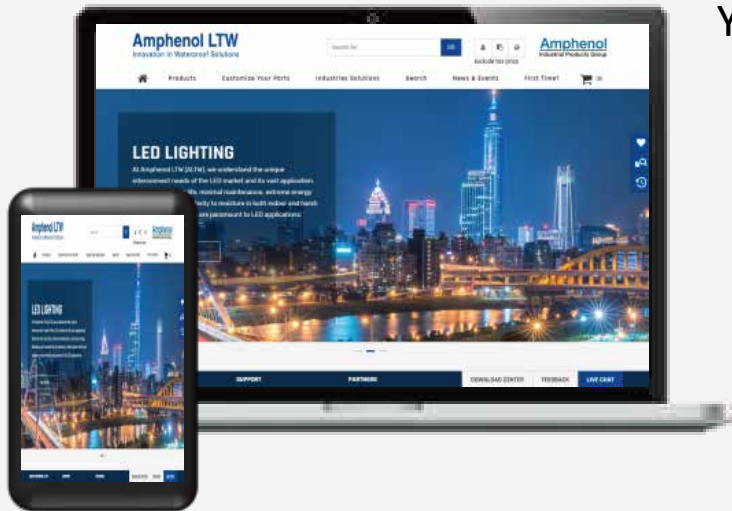
## Kunshan Factory – Horizontal Injection Workshop

Molding Machines

Number of Machines: 17

Production Capacity : 3,400pcs/hr

# Online Resources



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**General Catalog**

Find All Product Range



**Catalogs by Series**

All Market Applications

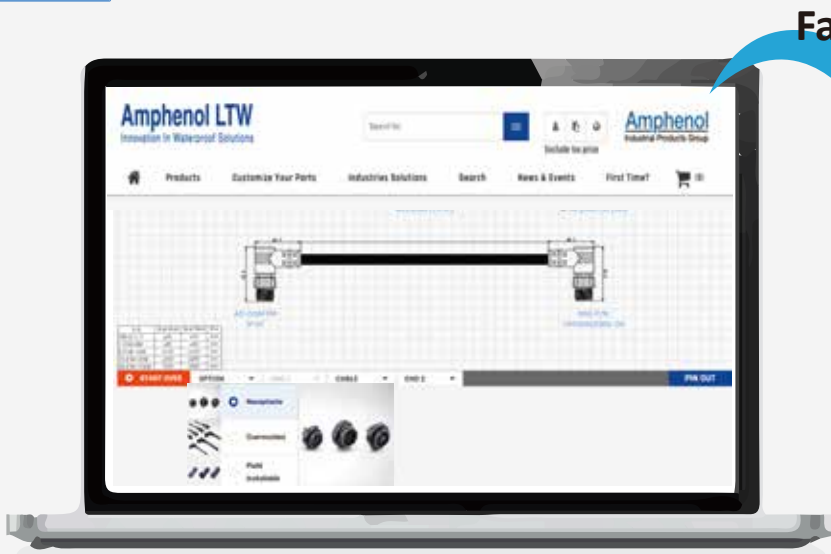


**Market Flyer**

Product Guidance



# Customization Services



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**Fast**  
**Efficient**

## Configure To Order (CTO)

Configure your own connector/cable assembly directly on our website by choosing the components and parts that you need.

## Benefits

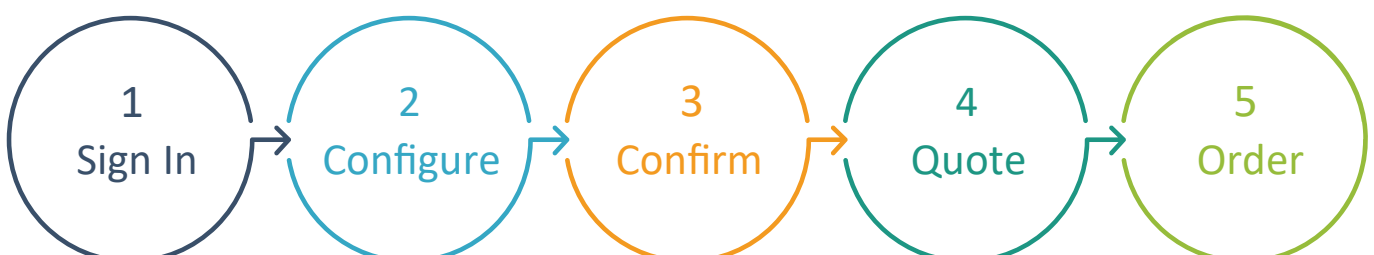
- ✓ Worldwide access 24/7
- ✓ Easy & quick customization
- ✓ Real time order tracking
- ✓ Online assistance (Live Chat)
- ✓ Instant drawing release
- ✓ Instant quote
- ✓ Order online

Scan the QR Code  
to our CTO platform

Scan here



## Just A Few Simple Steps





**NEW**

# 3<sup>3</sup> Single Pair Ethernet

## Freedom of Choices and Budgets

3 Mechanical interfaces IP67 and above for industrial and ruggedized applications

3 Freedom of choices for your needs and requirements

3 Budgets, pay for what you need



## Features

- » ALTW's proprietary SPE interface integrated in **M8 (G8) / M12 / FLOS+ / X-Lok**
- » Providing low power & simply networking on end-point sensors
- » Cost-effective, smaller & lighter than standard 4 pairs ethernet cable
- » Compatible 10/100/1000 base-T1 data rates as existing technologies \*\*
- » Receptacle IP67 **UNMATED** waterproof, also available in double ended and field installable
- » Vibration resistance 20g (10 ~ 2,000 Hz)
- » Supports PoDL (Power Over Data Lines)

\*\* 24~26 AWG Standard Length 15m

## Part Number

### X-Lok

A Size	AD-02BFFM-QL8P <sup>10</sup> (Cable)
	AD-02BMMM-QL8P <sup>10</sup> (Cable)
	AD-02PMMP-QC8001 (Receptacle)
	AD-02PMMS-QC8001 (Receptacle)

### FLOS+

K Series	SLKC-S02FMMM-GCP-C <sup>10</sup> (Cable)
	SLKC-S02EEFP-GCP-001 (Receptacle)

### M Series

M8	M8-02BFFM-SL7C <sup>10</sup> * (Cable)	M12	M12A-02BFFM-SL8C <sup>10</sup> (Cable)
	M8-02BMMM-SL7C <sup>10</sup> * (Cable)		M12A-02BMMM-SL8C <sup>10</sup> (Cable)
	M8-02PFFP-SF7001* (Receptacle)		M12A-02PFFP-SF8001 (Receptacle)
	M8-02PMMP-SF7001* (Receptacle)		M12A-02PMMP-SF8001 (Receptacle)
	M8-02PFFS-SF7001* (Receptacle)		
	M8-02PMMS-SF7001* (Receptacle)		
G8	8A-02BFFM-SL7C <sup>10</sup> * (Cable)		
	8A-02BMMM-SL7C <sup>10</sup> * (Cable)		
	8A-02PFFP-SF7001* (Receptacle)		
	8A-02PFFS-SF7001* (Receptacle)		
	8A-02MMP-SF7001 (Receptacle)		
	8A-02PMMS-SF7001 (Receptacle)		



\* Upon Request

<sup>10</sup> Cable Length: (01) 1M ~ (15) 15M.

# Technical Support



## Assistance



AIPG WeChat (ID: AIPG2020)  
安费诺工业展品集团  
微信公众号: AIPG2020



88677416888

## Information



### FAQ

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<https://www.amphenolltw.com/>



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- AIS
- Antenna
- Audio System
- Autopilot System
- Bilge Pump
- Heater
- RADAR
- Windlass
- Outboard & Trolling Motors
- Chartplotter
- Docking System
- Fish-Finders
- Fridge & Refrigeration
- GPS, Beacon & Lifebuoy
- Lighting System
- Power Controller
- IP and Infrared CCTV & Cameras
- Sensors
- Shipyards & Cruise
- Sonar / Transducer
- USB Charger
- HVAC (Heating Ventilation Air Conditioning)
- Multi-Function Display
- Sailing Instruments



Broadband Wireless Access

- Outdoor AP
- Outdoor Base Station Unit
- Outdoor Repeater
- Outdoor Wireless Mesh Router
- RRU (Remote Radio Unit)
- General Small Cells
- Wireless Mobile Backhaul
- High Capacity Mobile Subscriber Unit



Renewable Energy

- Portable Energy
- PV Inverter
- PV Trackers
- Tidal Power Generation System
- Wind Turbine
- Communication System
- CSP & CPV
- DC Inverter
- Energy Storage System
- HelioStat
- PDC (Power Distribution Control)



Railway Mass Transit

- Interior Lighting
- In-Vehicle Information
- Navigation / GPS
- Speedometer
- Vehicle Monitoring
- Broadcasting System
- Cleaning Control
- Fuel Leakage Detector
- HVAC (Heating Ventilation Air Conditioning)
- Infotainment Systems
- Indication Display



Remote Video Response Center

- Alarm System
- Sensor
- CCTV / Dome / IP Camera
- Encoders
- Monitoring Station
- Automatic LPRS (License Plate Recognition System)



Autonomous

- Central Computer
- GPS
- Inertial Measurement Unit
- Inertial Navigation Systems
- Lidar
- Radar Sensors
- Video Cameras



Heavy Equipment

- Lidar & Radar
- Lighting
- Measurement Systems
- Sensors
- Telematics & Tracking
- Automotive Diagnostics
- Camera & Monitoring
- Control System
- Display
- Electronic Toll System
- ADAS (Advanced Driver Assistance Systems)
- Agriculture Electronic Equipment
- Gps System



Hybrid Electric Vehicles

- Battery Module
- Controller Unit
- Electric Scooter
- Electric Wheelchair
- Hoverboard
- Motor Module
- Throttle Controller
- Gear Shift Module
- Electrical and Electronic Brake System
- Electrical and Electronic Speed Control





Industrial Automation

- Machine Tools
- Motor Drives
- Packaging
- Power
- Sensors
- Switches
- Actuators
- Conveyors
- Industrial Network
- Industrial PC & Displays
- Industrial Control
- Industrial Forklifts
- Industrial Robots
- AVI (Automatic Visual Inspection)
- Communication System



Automotive Diagnostics

- Auto Crash Notification
- Remote Vehicle Diagnostics
- Vehicle Health Alert & Roadside Assistance
- Vehicle Tracking



Test Equipment

- Sound Measuring
- Timers / Timer Display
- Water Measurement
- Weigh Modules
- Weighing Devices
- Leak Detectors
- Laser Marking System
- Borescope
- Digital Microscopes
- Dosing Systems
- Earthquake monitoring
- Floor Scales
- Light Measuring
- Wet Area Weighing
- Gas Detectors
- Heavy-duty Scales
- Humidity Measurement
- Image Measurement
- In-Motion Weighing
- Precision Surveying
- Air Flow Measurement



LED

- Architectural Lighting
- Commercial Lighting
- Cruise & Shipyards Lighting
- Emergency Lighting
- Horticulture Lighting
- Hospital Surgical Lighting & Room
- Outdoor LED Displays
- Refrigeration Lighting
- Tunnel Lighting
- UV and Sanitary Lighting



Transportation

- Vehicle Camera
- Fleet Management
- Bus GPS
- Displayer
- Outdoor Speaker
- Switch
- Vehicle Charger
- Dome Vehicle Camera
- Digital Video Surveillance System



UAV

- Commercial Drone
- Consumer Drone
- Military Drone



Medical

- Electrical beds



Rugged IT

- Night Vision Goggles
- Rugged & Military VR and AR
- Telemetry



Mobile Devices

- Altimeter
- Barcode Reader
- DRC (Drone Remote Controller)



Lifts & Materials Handling

- Forklift
- Industrial Lift
- Materials Handling



Automated Meter Reading

- Electricity Meter
- Gas Meter
- Sewage
- Telemetry
- Water Meter
- Alarm System
- Military Drone
- Vehicle Tracking




























# Product Range Overview

Sub-Series Name	M5	Guided M8 / LED	M8 /LED	M10.5	M12 A / LED	M12 B / LED	M12 D / LED	M12 I
Mating Style	Screw Thread	Screw Thread Snap-in	Screw Thread & Snap-in	Screw Thread	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull
Plastic Version	-	✓	✓	-	✓	✓	✓	✓
Metal Version	✓	✓	✓	✓	✓	✓	✓	✓
No. of Contacts	3 ~ 6	2 ~ 6	3 ~ 13	2 ~ 5	3 ~ 28	5	4	5
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated
Transmission Rate	-	-	-	-	Cat. 5e (8 Pin To RJ45)	-	Cat. 5e (4 Pin To RJ45)	-
Operating Voltage (AC/DC)	60V	30V ~ 60V	30V ~ 60V	30V	30V ~ 250V	60V	250V	60V
Nominal Current	1A	2A ~ 4A 3A+1.5A	0.5A ~ 4A	2A	0.5A ~ 4A	4A	4A	4A
Operating Temperature	<ul style="list-style-type: none"><li>• Receptacle: -40°C ~ 105°C</li><li>• Receptacle With Wires: -20°C ~ 85°C</li><li>• Overmolded With Cable:<ul style="list-style-type: none"><li>(1) PVC: -20°C~85°C</li><li>(2) PUR: -20°C~85°C</li></ul></li><li>• Field Serviceable/Installable: -40°C ~ 105°C</li></ul>							
Fasten Style of Nut	Front & Rear	Front & Rear	Front & Rear	Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Receptacle	✓	✓	✓	✓	✓	✓	✓	✓
Receptacle With Cable/Wire	✓	✓	✓	✓	✓	✓	✓	-
Overmolded With Cable	✓	✓	✓	✓	✓	✓	✓	✓
Field Serviceable/Installable	-	✓	✓	✓	✓	✓	✓	-
Accessories	-	✓	✓	✓	✓	✓	✓	✓
Applicable Wire Gauge	28 ~ 26AWG (0.09 ~ 0.14mm <sup>2</sup> )	24 ~ 22AWG (0.25 ~ 0.34mm <sup>2</sup> )	32AWG (0.03mm <sup>2</sup> )	24AWG (0.25mm <sup>2</sup> )	30 ~ 22AWG (0.05 ~ 0.34mm <sup>2</sup> )	26 ~ 22AWG (0.14 ~ 0.34mm <sup>2</sup> )	26 ~ 22AWG (0.14 ~ 0.34mm <sup>2</sup> )	22AWG (0.34mm <sup>2</sup> )
Mating Cycles (Pin Contact)	1,000 Cycles (IEC 100 Cycles)							
IP Rating	<ul style="list-style-type: none"><li>• Receptacle, Receptacle With Wires:<ul style="list-style-type: none"><li>(1) IP67 (Mated / Unmated)</li><li>(2) IP68 (Unmated, 1M / 24h)</li><li>(3) IP69K (Mated)</li></ul></li><li>• Overmolded With Cable, Field Serviceable/Installable: IP67 / IP68 (Mated, 1M / 24h)</li></ul>							
Salt Spray (Connector, Mated)	48h	48h	48h	48h	48h	48h	48h	48h
UV Resistant	✓	✓	✓	✓	✓	✓	✓	✓
Flammability Rating	UL94V-0	UL94V-0	UL 94V-0	UL 94HB	UL 94V-0	UL 94V-0	UL 94V-0	UL 94HB
Vibration	Frequency Range 10~500Hz / Amplitude 0.35mm							
EMI Option	-	✓	✓	-	✓	✓	✓	-
RoHS 2.0 Compliant	✓	✓	✓	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓	✓	✓	✓
Certificates	-	-	UL1977 UL2238	-	UL1977, UL2238, UL1863	UL1977 UL2238	UL1977, UL2238, UL1863	-
Standard / Compliance	IEC 61076-2-105	-	IEC 61076-2-104	-	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	-

# Product Range Overview
















Sub-Series Name	M12 K / LED	M12 L / LED	M12 M / LED	M12 S / LED	M12 T / LED	M12 X	M12 Y	M23
Mating Style	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread & Push Pull	Screw Thread
Plastic Version	✓	✓	✓	✓	✓	-	✓	-
Metal Version	✓	✓	✓	✓	✓	✓	✓	✓
No. of Contacts	3 ~ 5	2 ~ 5	3 ~ 6	3 ~ 4	2 ~ 4	8	8	6
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated	Gold Plated
Transmission Rate	-	-	-	-	-	Cat.6A	-	-
Operating Voltage (AC/DC)	630V	63V	630V	630V	63V	30 ~ 60V	60V	600V
Nominal Current	12A / 16A	16A	8A	12A	12A	0.5A	0.5A / 6A	28A
Operating Temperature	<ul style="list-style-type: none"><li>• Receptacle: -40°C ~ 105°C</li><li>• Receptacle With Wires: -20°C ~ 85°C</li><li>• Overmolded With Cable:<ul style="list-style-type: none"><li>(1) PVC: -20°C~85°C</li><li>(2) PUR: -20°C~85°C</li></ul></li><li>• Field Serviceable/Installable: -40°C ~ 105°C</li></ul>							
Fasten Style of Nut	Front	Front	Front	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front
Receptacle	✓	✓	✓	✓	✓	✓	✓	✓
Receptacle With Cable/Wire	✓	✓	✓	✓	✓	✓	✓	-
Overmolded With Cable	✓	✓	✓	✓	✓	✓	✓	✓
Field Serviceable/Installable	✓	✓	✓	✓	✓	✓	✓	✓
Accessories	✓	✓	✓	✓	✓	✓	-	-
Applicable Wire Gauge	14AWG (2.5mm <sup>2</sup> )	14AWG (2.5mm <sup>2</sup> )	16AWG (1.5mm <sup>2</sup> )	16AWG (1.5mm <sup>2</sup> )	16AWG (1.5mm <sup>2</sup> )	26AWG (0.14mm <sup>2</sup> )	20 AWG(0.50mm <sup>2</sup> ) 26 AWG(0.14mm <sup>2</sup> )	14 ~ 12AWG (2.50 ~ 4.00mm <sup>2</sup> )
Mating Cycles (Pin Contact)	1,000 Cycles (IEC 100 Cycles)							
IP Rating	<ul style="list-style-type: none"><li>• Receptacle, Receptacle With Wires:<ul style="list-style-type: none"><li>(1) IP67 (Mated / Unmated)</li><li>(2) IP68 (Unmated, 1M / 24h)</li><li>(3) IP69K (Mated)</li></ul></li><li>• Overmolded With Cable, Field Serviceable/Installable: IP67 / IP68 (Mated, 1M / 24h)</li></ul>							
Salt Spray (Connector, Mated)	48h	48h	48h	48h	48h	48h	48h	48h
UV Resistant	✓	✓	✓	✓	✓	✓	✓	✓
Flammability Rating	UL 94V-0	UL 94V-0	UL 94V-0	UL 94V-0	UL 94V-0	UL 94V-0	UL 94V-0	UL 94V-0
Vibration	Frequency Range 10~500Hz / Amplitude 0.35mm							
EMI Option	-	-	✓	-	-	✓	✓	✓
RoHS 2.0 Compliant	✓	✓	✓	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓	✓	✓	✓
Certificates	UL1977 UL2237	UL1977 UL2238	-	UL1977 UL2237	UL1977 UL2238	UL1863	UL1863	-
Standard / Compliance	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-109	IEC 61076-2-109	-













# Contact Configuration

	M5	G8 A Code / LED		G8 H Code	M8 A Code / LED				M8 B Code / LED	M8 D Code / LED	M10.5	M12 A Code / LED	
	1A	2A	4A	3A + 1.5A	0.5A	1A	1.5A	4A	3A	4A	2A	0.5A	1.5A
2 Pin													
			R C F								R C F		
3 Pin													
	R C		R C F					R C F			R C F		
4 Pin										MM FF 			
	R C		R C F					R C F		R C F	R C F		
5 Pin													
		R C F		R C F					R C F		R C F		
6 Pin													
	R C	R C F					R C F						
8 Pin													
							R C F						
10 Pin													
												R C F	
12 Pin													
						R C F						R C F	
13 Pin													
					R C F								
17 Pin													
												R C F	
18 Pin													
											R C F		
24 Pin													
											R C F		
28 Pin													
											R C F		

R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable


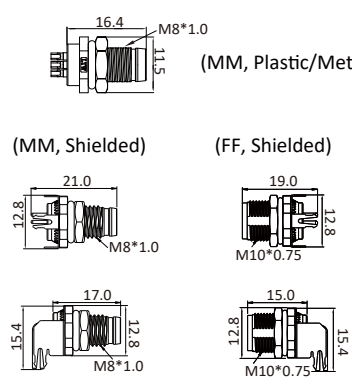
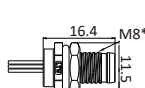
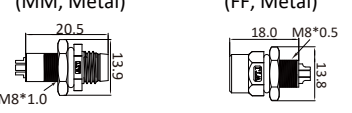
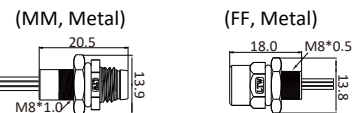
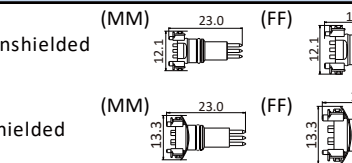
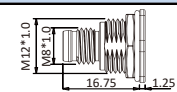
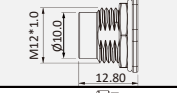
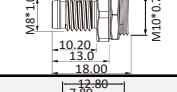
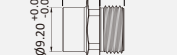
# Contact Configuration

	M12 A Code / LED		M12 B Code / LED	M12 D Code / LED	M12 I Code	M12 K Code / LED	M12 L Code / LED
	2A	4A	4A	4A	4A	12A / 16 A	16A
2 Pin							 R C F
3 Pin		 R C F				 R C F	 R C F
4 Pin		 R C F		 R C F		 R C F	 R C F
5 Pin		 R C F	 R C F		 R C F	 R C F	 R C F
6 Pin	 R C F						
8 Pin	 R C F						

	M12 M Code / LED	M12 S Code / LED	M12 T Code / LED	M12 X Code	M12 Y Code	M23
	8A	12A	12A	0.5A	0.5A / 6A	28A
2 Pin			 R C F			
3 Pin	 R C F	 R C F	 R C F			
4 Pin	 R C F	 R C F	 R C F			
5 Pin	 R C F					
6 Pin	 R C F					 R C F
8 Pin				 R C F	 R C F	


R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

# M8 / Guided M8 Receptacle

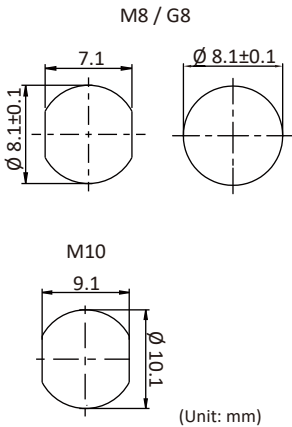
			G8	
Number of Contacts			2	
Coding			A	
Rated Voltage (AC/DC)			50V (AC) / 60V (DC)	
Nominal current			4A	
Pin Assignment			MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact				
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, <b>FRONT</b> Fastened Nut				
Nut Torque Value: 5 ~ 8 kgf-cm   Recommend Panel Thickness: Max 1.9 mm   IP Rating: (7001) IP67, (8001) IP68				
	Plastic	Solder Pins	8AP-02P <b>MM</b> S-SF7001	8AP-02P <b>FF</b> S-SF7001*
		Straight PCB	8AP-02P <b>MM</b> P-SF7001	8AP-02P <b>FF</b> P-SF7001*
		Right Angle PCB	8AP-02P <b>MM</b> R-SF7001*	8AP-02P <b>FF</b> R-SF7001*
	Metal Nut	Solder Pins	8A-02P <b>MM</b> S-SF7001	8A-02P <b>FF</b> S-SF7001*
		Straight PCB	8A-02P <b>MM</b> P-SF7001	8A-02P <b>FF</b> P-SF7001*
		Right Angle PCB	8A-02P <b>MM</b> R-SF7001*	8A-02P <b>FF</b> R-SF7001*
	Shielded	Solder Pins	M8AS-02P <b>MM</b> S-SF8001*	M8AS-02P <b>FF</b> S-SF8001*
		Straight PCB	M8AS-02P <b>MM</b> P-SF8001*	M8AS-02P <b>FF</b> P-SF8001
		Right Angle PCB	M8AS-02P <b>MM</b> R-SF8001	M8AS-02P <b>FF</b> R-SF8001
	Stainless	Solder Pins	SM8A-02P <b>MM</b> S-SF8001*	SM8A-02P <b>FF</b> S-SF8001*
		Straight PCB	SM8A-02P <b>MM</b> P-SF8001*	SM8A-02P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8A-02P <b>MM</b> R-SF8001*	SM8A-02P <b>FF</b> R-SF8001*
	Stainless Shielded	Solder Pins	SM8AS-02P <b>MM</b> S-SF8001*	SM8AS-02P <b>FF</b> S-SF8001*
		Straight PCB	SM8AS-02P <b>MM</b> P-SF8001*	SM8AS-02P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8AS-02P <b>MM</b> R-SF8001*	SM8AS-02P <b>FF</b> R-SF8001*
M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, <b>FRONT</b> Fastened Nut				
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm)   (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.				
	Plastic		8AP-02P <b>MM</b> S-SF7A⑩*	8AP-02P <b>FF</b> S-SF7A⑩*
	Metal Nut		8A-02P <b>MM</b> S-SF7A⑩*	8A-02P <b>FF</b> S-SF7A⑩*
	Shielded		M8AS-02P <b>MM</b> S-SF8A⑩*	M8AS-02P <b>FF</b> S-SF8A⑩*
	Stainless		SM8A-02P <b>MM</b> S-SF8A⑩*	SM8A-02P <b>FF</b> S-SF8A⑩*
	Stainless Shielded		SM8AS-02P <b>MM</b> S-SF8A⑩*	SM8AS-02P <b>FF</b> S-SF8A⑩*
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, <b>REAR</b> Fastened Nut				
Nut Torque Value: 5 ~ 8 kgf-cm   Recommend Panel Thickness: Max 1.9 mm   IP Rating: (7001) IP67, (8001) IP68				
	Plastic	Solder Pins	8AP-02P <b>MM</b> S-SH7001*	8AP-02P <b>FF</b> S-SH7001*
	Metal Nut	Solder Pins	8A-02P <b>MM</b> S-SH7001	8A-02P <b>FF</b> S-SH7001
	Shielded	Solder Pins	M8AS-02P <b>MM</b> S-SH8001*	M8AS-02P <b>FF</b> S-SH8001*
	Stainless	Solder Pins	SM8A-02P <b>MM</b> S-SH8001*	SM8A-02P <b>FF</b> S-SH8001*
	Stainless Shielded	Solder Pins	SM8AS-02P <b>MM</b> S-SH8001*	SM8AS-02P <b>FF</b> S-SH8001*
M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, <b>REAR</b> Fastened Nut				
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm)   (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths				
	Plastic	(7A) IP67, (8A) IP68	8AP-02P <b>MM</b> S-SH7A⑩*	8AP-02P <b>FF</b> S-SH7A⑩*
	Metal Nut	(7A) IP67, (8A) IP68	8A-02P <b>MM</b> S-SH7A⑩*	8A-02P <b>FF</b> S-SH7A⑩*
	Shielded	(7A) IP67, (8A) IP68	M8AS-02P <b>MM</b> S-SH8A⑩*	M8AS-02P <b>FF</b> S-SH8A⑩*
	Stainless	(7A) IP67, (8A) IP68	SM8A-02P <b>MM</b> S-SH8A⑩*	SM8A-02P <b>FF</b> S-SH8A⑩*
	Stainless Shielded	(7A) IP67, (8A) IP68	SM8AS-02P <b>MM</b> S-SH8A⑩*	SM8AS-02P <b>FF</b> S-SH8A⑩*
M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers				
	Unshielded	THR Straight	M8A-02P <b>MM</b> P-EE0001*	M8A-02P <b>FF</b> P-EE0001*
		THR Right Angle	M8A-02P <b>MM</b> R-EE0001*	M8A-02P <b>FF</b> R-EE0001*
		SMD Straight	M8A-02P <b>MM</b> T-EE0001*	M8A-02P <b>FF</b> T-EE0001*
	Shielded	THR Straight	M8AS-02P <b>MM</b> P-EE0001*	M8AS-02P <b>FF</b> P-EE0001*
		THR Right Angle	M8AS-02P <b>MM</b> R-EE0001*	M8AS-02P <b>FF</b> R-EE0001*
		SMD Straight	M8AS-02P <b>MM</b> T-EE0001*	M8AS-02P <b>FF</b> T-EE0001*
M8 / G8 Two-piece, Housing Screw Connections For SMD Contact Carriers				
	Front Fastened, SMD Male		APPM-AAAMA008-003	
	Front Fastened, SMD Female		APPM-AAFA008-001	
	Rear Fastened, SMD Male		APPM-AAAMA008-002	
	Rear Fastened, SMD Female		APPM-AAFA008-002	

\*Upon Request

M8 / Guided M8 Receptacle

M8		G8	
3		3	
A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A	
MM	FF	MM	FF
			
8P-03PMM <b>S</b> -SF7001	8P-03PFF <b>S</b> -SF7001*	8AP-03PMM <b>S</b> -SF7001	8AP-03PFF <b>S</b> -SF7001*
8P-03PMM <b>P</b> -SF7001	8P-03PFF <b>P</b> -SF7001*	8AP-03PMM <b>P</b> -SF7001	8AP-03PFF <b>P</b> -SF7001*
8P-03PMM <b>R</b> -SF7001*	8P-03PFF <b>R</b> -SF7001*	8AP-03PMM <b>R</b> -SF7001*	8AP-03PFF <b>R</b> -SF7001*
8-03PMM <b>S</b> -SF7001	8-03PFF <b>S</b> -SF7001*	8A-03PMM <b>S</b> -SF7001	8A-03PFF <b>S</b> -SF7001*
8-03PMM <b>P</b> -SF7001	8-03PFF <b>P</b> -SF7001*	8A-03PMM <b>P</b> -SF7001	8A-03PFF <b>P</b> -SF7001*
8-03PMM <b>R</b> -SF7001*	8-03PFF <b>R</b> -SF7001*	8A-03PMM <b>R</b> -SF7001*	8A-03PFF <b>R</b> -SF7001*
M8S-03PMM <b>S</b> -SF8001*	M8S-03PFF <b>S</b> -SF8001*	M8AS-03PMM <b>S</b> -SF8001*	M8AS-03PFF <b>S</b> -SF8001*
M8S-03PMM <b>P</b> -SF8001*	M8S-03PFF <b>P</b> -SF8001	M8AS-03PMM <b>P</b> -SF8001*	M8AS-03PFF <b>P</b> -SF8001
M8S-03PMM <b>R</b> -SF8001	M8S-03PFF <b>R</b> -SF8001	M8AS-03PMM <b>R</b> -SF8001	M8AS-03PFF <b>R</b> -SF8001
SM8-03PMM <b>S</b> -SF8001*	SM8-03PFF <b>S</b> -SF8001*	SM8A-03PMM <b>S</b> -SF8001*	SM8A-03PFF <b>S</b> -SF8001*
SM8-03PMM <b>P</b> -SF8001*	SM8-03PFF <b>P</b> -SF8001*	SM8A-03PMM <b>P</b> -SF8001*	SM8A-03PFF <b>P</b> -SF8001*
SM8-03PMM <b>R</b> -SF8001*	SM8-03PFF <b>R</b> -SF8001*	SM8A-03PMM <b>R</b> -SF8001*	SM8A-03PFF <b>R</b> -SF8001*
SM8S-03PMM <b>S</b> -SF8001*	SM8S-03PFF <b>S</b> -SF8001*	SM8AS-03PMM <b>S</b> -SF8001*	SM8AS-03PFF <b>S</b> -SF8001*
SM8S-03PMM <b>P</b> -SF8001*	SM8S-03PFF <b>P</b> -SF8001*	SM8AS-03PMM <b>P</b> -SF8001*	SM8AS-03PFF <b>P</b> -SF8001*
SM8S-03PMM <b>R</b> -SF8001*	SM8S-03PFF <b>R</b> -SF8001*	SM8AS-03PMM <b>R</b> -SF8001*	SM8AS-03PFF <b>R</b> -SF8001*
8P-03PMM <b>S</b> -SF7A <b>10</b> *	8P-03PFF <b>S</b> -SF7A <b>10</b> *	8AP-03PMM <b>S</b> -SF7A <b>10</b> *	8AP-03PFF <b>S</b> -SF7A <b>10</b> *
8-03PMM <b>S</b> -SF7A <b>10</b>	8-03PFF <b>S</b> -SF7A <b>10</b> *	8A-03PMM <b>S</b> -SF7A <b>10</b> *	8A-03PFF <b>S</b> -SF7A <b>10</b> *
M8S-03PMM <b>S</b> -SF8A <b>10</b> *	M8S-03PFF <b>S</b> -SF8A <b>10</b> *	M8AS-03PMM <b>S</b> -SF8A <b>10</b> *	M8AS-03PFF <b>S</b> -SF8A <b>10</b> *
SM8-03PMM <b>S</b> -SF8A <b>10</b> *	SM8-03PFF <b>S</b> -SF8A <b>10</b> *	SM8A-03PMM <b>S</b> -SF8A <b>10</b> *	SM8A-03PFF <b>S</b> -SF8A <b>10</b> *
SM8S-03PMM <b>S</b> -SF8A <b>10</b> *	SM8S-03PFF <b>S</b> -SF8A <b>10</b> *	SM8AS-03PMM <b>S</b> -SF8A <b>10</b> *	SM8AS-03PFF <b>S</b> -SF8A <b>10</b> *
8P-03PMM <b>S</b> -SH7001*	8P-03PFF <b>S</b> -SH7001*	8AP-03PMM <b>S</b> -SH7001*	8AP-03PFF <b>S</b> -SH7001*
8-03PMM <b>S</b> -SH7001	8-03PFF <b>S</b> -SH7001	8A-03PMM <b>S</b> -SH7001	8A-03PFF <b>S</b> -SH7001
M8S-03PMM <b>S</b> -SH8001*	M8S-03PFF <b>S</b> -SH8001*	M8AS-03PMM <b>S</b> -SH8001*	M8AS-03PFF <b>S</b> -SH8001*
SM8-03PMM <b>S</b> -SH8001*	SM8-03PFF <b>S</b> -SH8001*	SM8A-03PMM <b>S</b> -SH8001*	SM8A-03PFF <b>S</b> -SH8001*
SM8S-03PMM <b>S</b> -SH8001*	SM8S-03PFF <b>S</b> -SH8001*	SM8AS-03PMM <b>S</b> -SH8001*	SM8AS-03PFF <b>S</b> -SH8001*
8P-03PMM <b>S</b> -SH7A <b>10</b> *	8P-03PFF <b>S</b> -SH7A <b>10</b> *	8AP-03PMM <b>S</b> -SH7A <b>10</b> *	8AP-03PFF <b>S</b> -SH7A <b>10</b> *
8-03PMM <b>S</b> -SH7A <b>10</b>	8-03PFF <b>S</b> -SH7A <b>10</b>	8A-03PMM <b>S</b> -SH7A <b>10</b> *	8A-03PFF <b>S</b> -SH7A <b>10</b> *
M8S-03PMM <b>S</b> -SH8A <b>10</b> *	M8S-03PFF <b>S</b> -SH8A <b>10</b> *	M8AS-03PMM <b>S</b> -SH8A <b>10</b> *	M8AS-03PFF <b>S</b> -SH8A <b>10</b> *
SM8-03PMM <b>S</b> -SH8A <b>10</b> *	SM8-03PFF <b>S</b> -SH8A <b>10</b> *	SM8A-03PMM <b>S</b> -SH8A <b>10</b> *	SM8A-03PFF <b>S</b> -SH8A <b>10</b> *
SM8S-03PMM <b>S</b> -SH8A <b>10</b> *	SM8S-03PFF <b>S</b> -SH8A <b>10</b> *	SM8AS-03PMM <b>S</b> -SH8A <b>10</b> *	SM8AS-03PFF <b>S</b> -SH8A <b>10</b> *
M8-03PMM <b>P</b> -EE0001*	M8-03PFF <b>P</b> -EE0001*	M8A-03PMM <b>P</b> -EE0001*	M8A-03PFF <b>P</b> -EE0001*
M8-03PMM <b>R</b> -EE0001*	M8-03PFF <b>R</b> -EE0001*	M8A-03PMM <b>R</b> -EE0001*	M8A-03PFF <b>R</b> -EE0001*
M8-03PMM <b>T</b> -EE0001	M8-03PFF <b>T</b> -EE0001	M8A-03PMM <b>T</b> -EE0001*	M8A-03PFF <b>T</b> -EE0001*
M8S-03PMM <b>P</b> -EE0001*	M8S-03PFF <b>P</b> -EE0001*	M8AS-03PMM <b>P</b> -EE0001*	M8AS-03PFF <b>P</b> -EE0001*
M8S-03PMM <b>R</b> -EE0001*	M8S-03PFF <b>R</b> -EE0001*	M8AS-03PMM <b>R</b> -EE0001*	M8AS-03PFF <b>R</b> -EE0001*
M8S-03PMM <b>T</b> -EE0001	M8S-03PFF <b>T</b> -EE0001	M8AS-03PMM <b>T</b> -EE0001*	M8AS-03PFF <b>T</b> -EE0001*
APPM-AAAMA008-003		APPM-AAAMA008-003	
APPM-AAAF008-001		APPM-AAAF008-001	
APPM-AAAMA008-002		APPM-AAAMA008-002	
APPM-AAAF008-002		APPM-AAAF008-002	

Panel Cut-Out




Assemble Style



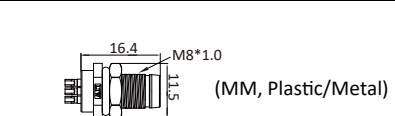


## M8 / Guided M8 Receptacle

Number of Contacts	M8
Coding	A
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	MM      FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact	

M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, **FRONT** Fastened Nut

Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

	Plastic	Solder Pins	8P-04P <b>MM</b> S-SF7001	8P-04P <b>FF</b> S-SF7001*
		Straight PCB	8P-04P <b>MM</b> P-SF7001	8P-04P <b>FF</b> P-SF7001*
		Right Angle PCB	8P-04P <b>MM</b> R-SF7001*	8P-04P <b>FF</b> R-SF7001*
	Metal Nut	Solder Pins	8-04P <b>MM</b> S-SF7001	8-04P <b>FF</b> S-SF7001*
		Straight PCB	8-04P <b>MM</b> P-SF7001	8-04P <b>FF</b> P-SF7001*
		Right Angle PCB	8-04P <b>MM</b> R-SF7001*	8-04P <b>FF</b> R-SF7001*
	Shielded	Solder Pins	M8S-04P <b>MM</b> S-SF8001*	M8S-04P <b>FF</b> S-SF8001*
		Straight PCB	M8S-04P <b>MM</b> P-SF8001	M8S-04P <b>FF</b> P-SF8001
		Right Angle PCB	M8S-04P <b>MM</b> R-SF8001	M8S-04P <b>FF</b> R-SF8001
	Stainless	Solder Pins	SM8-04P <b>MM</b> S-SF8001	SM8-04P <b>FF</b> S-SF8001
		Straight PCB	SM8-04P <b>MM</b> P-SF8001*	SM8-04P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8-04P <b>MM</b> R-SF8001*	SM8-04P <b>FF</b> R-SF8001*
Stainless Shielded		Solder Pins	SM8S-04P <b>MM</b> S-SF8001*	SM8S-03P <b>FF</b> S-SF8001*
		Straight PCB	SM8S-04P <b>MM</b> P-SF8001*	SM8S-03P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8S-04P <b>MM</b> R-SF8001*	SM8S-03P <b>FF</b> R-SF8001*

M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut



10 Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

**Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.**

 (MM, Metal)	Plastic	8P-04P <b>MMS</b> -SF7A <a href="#">10</a> *	8P-04P <b>FFS</b> -SF7A <a href="#">10</a> *
	Metal Nut	8-04P <b>MMS</b> -SF7A <a href="#">10</a>	8-04P <b>FFS</b> -SF7A <a href="#">10</a> *
	Shielded	M8S-04P <b>MMS</b> -SF8A <a href="#">10</a> *	M8S-04P <b>FFS</b> -SF8A <a href="#">10</a> *
	Stainless	SM8-04P <b>MMS</b> -SF8A <a href="#">10</a> *	SM8-04P <b>FFS</b> -SF8A <a href="#">10</a> *
	Stainless Shielded	SM8S-04P <b>MMS</b> -SF8A <a href="#">10</a> *	SM8S-04P <b>FFS</b> -SF8A <a href="#">10</a> *

M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut



Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

 <p>(MM, Metal)</p>	 <p>(FF, Metal)</p>	Plastic Metal Nut Shielded Stainless Stainless Shielded	Solder Pins Solder Pins Solder Pins Solder Pins Solder Pins	8P-04 <b>P</b> MMS-SH7001* 8-04 <b>P</b> MMS-SH7001 M8S-04 <b>P</b> MMS-SH8001* SM8-04 <b>P</b> MMS-SH8001* SM8S-04 <b>P</b> MMS-SH8001*	8P-04 <b>P</b> FFS-SH7001* 8-04 <b>P</b> FFS-SH7001 M8S-04 <b>P</b> FFS-SH8001* SM8-04 <b>P</b> FFS-SH8001* SM8S-04 <b>P</b> FFS-SH8001*
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M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **REAR** Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths

(MM, Metal)	(FF, Metal)	Plastic	(7A) IP67, (8A) IP68	8P-04P <b>MMS</b> -SH7A <a href="#">10</a> *	8P-04P <b>FFS</b> -SH7A <a href="#">10</a> *
		Metal Nut	(7A) IP67, (8A) IP68	8-04P <b>MMS</b> -SH7A <a href="#">10</a>	8-04P <b>FFS</b> -SH7A <a href="#">10</a>
		Shielded	(7A) IP67, (8A) IP68	M8S-04P <b>MMS</b> -SH8A <a href="#">10</a> *	M8S-04P <b>FFS</b> -SH8A <a href="#">10</a> *
		Stainless	(7A) IP67, (8A) IP68	SM8-04P <b>MMS</b> -SH8A <a href="#">10</a> *	SM8-04P <b>FFS</b> -SH8A <a href="#">10</a> *
		Stainless Shielded	(7A) IP67, (8A) IP68	SM8S-04P <b>MMS</b> -SH8A <a href="#">10</a> *	SM8S-04P <b>FFS</b> -SH8A <a href="#">10</a> *

## M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Unshielded	(MM)		(FF)		Unshielded	THR Straight	M8-04 <b>P</b> MMP-EE0001 *	M8-04 <b>P</b> FFP-EE0001 *
						THR Right Angle	M8-04 <b>P</b> MMR-EE0001 *	M8-04 <b>P</b> FFR-EE0001 *
						SMD Straight	M8-04 <b>P</b> MMT-EE0001	M8-04 <b>P</b> FFT-EE0001
Shielded	(MM)		(FF)		Shielded	THR Straight	M8S-04 <b>P</b> MMP-EE0001 *	M8S-04 <b>P</b> FFP-EE0001 *
						THR Right Angle	M8S-04 <b>P</b> MMR-EE0001 *	M8S-04 <b>P</b> FFR-EE0001 *
						SMD Straight	M8S-04 <b>P</b> MMT-EE0001	M8S-04 <b>P</b> FFT-EE0001

M8 / G8 Two-piece, Housing Screw Connections For SMD Contact Carriers

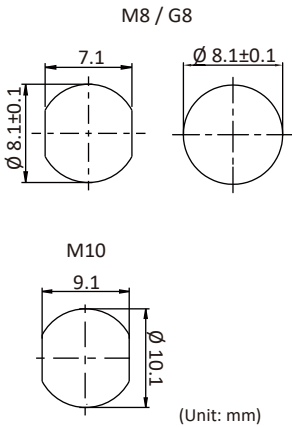
	Front Fastened, SMD Male	APPM-AAAMA008-003
	Front Fastened, SMD Female	APPM-AAAF008-001
	Rear Fastened, SMD Male	APPM-AAAMA008-002
	Rear Fastened, SMD Female	APPM-AAAF008-002

\*Upon Request

M8 / Guided M8 Receptacle

G8		M8	
4		4	
A		D	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A	
MM	FF	MM	FF
			
8AP-04PMM-SF7001	8AP-04PFFS-SF7001*	M8DP-04PMM-SF8001*	M8DP-04PFFS-SF8001*
8AP-04PMP-SF7001	8AP-04PFFP-SF7001*	M8DP-04PMP-SF8001*	M8DP-04PFFP-SF8001*
8AP-04PMR-SF7001*	8AP-04PFFR-SF7001*	M8DP-04PMR-SF8001*	M8DP-04PFFR-SF8001*
8A-04PMS-SF7001	8A-04PFFS-SF7001*	M8D-04PMS-SF8001*	M8D-04PFFS-SF8001*
8A-04PMP-SF7001	8A-04PFFP-SF7001*	M8D-04PMP-SF8001*	M8D-04PFFP-SF8001*
8A-04PMR-SF7001*	8A-04PFFR-SF7001*	M8D-04PMR-SF8001*	M8D-04PFFR-SF8001*
M8AS-04PMS-SF8001*	M8AS-04PFFS-SF8001*	M8DS-04PMS-SF8001*	M8DS-04PFFS-SF8001*
M8AS-04PMP-SF8001*	M8AS-04PFFP-SF8001*	M8DS-04PMP-SF8001*	M8DS-04PFFP-SF8001*
M8AS-04PMR-SF8001	M8AS-04PFFR-SF8001*	M8DS-04PMR-SF8001*	M8DS-04PFFR-SF8001*
SM8A-04PMS-SF8001*	SM8A-04PFFS-SF8001*	SM8D-04PMS-SF8001*	SM8D-04PFFS-SF8001*
SM8A-04PMP-SF8001*	SM8A-04PFFP-SF8001*	SM8D-04PMP-SF8001*	SM8D-04PFFP-SF8001*
SM8A-04PMR-SF8001*	SM8A-04PFFR-SF8001*	SM8D-04PMR-SF8001*	SM8D-04PFFR-SF8001*
SM8AS-04PMS-SF8001*	SM8AS-04PFFS-SF8001*	SM8DS-04PMS-SF8001*	SM8DS-04PFFS-SF8001*
SM8AS-04PMP-SF8001*	SM8AS-04PFFP-SF8001*	SM8DS-04PMP-SF8001*	SM8DS-04PFFP-SF8001*
SM8AS-04PMR-SF8001*	SM8AS-04PFFR-SF8001*	SM8DS-04PMR-SF8001*	SM8DS-04PFFR-SF8001*
8AP-04PMS-SF7A10*	8AP-04PFFS-SF7A10*	M8DP-04PMS-SF8A10*	M8DP-04PFFS-SF8A10*
8A-04PMS-SF7A10*	8A-04PFFS-SF7A10*	M8D-04PMS-SF8A10*	M8D-04PFFS-SF8A10*
M8AS-04PMS-SF8A10*	M8AS-04PFFS-SF8A10*	M8DS-04PMS-SF8A10*	M8DS-04PFFS-SF8A10*
SM8A-04PMS-SF8A10*	SM8A-04PFFS-SF8A10*	SM8D-04PMS-SF8A10*	SM8D-04PFFS-SF8A10*
SM8AS-04PMS-SF8A10*	SM8AS-04PFFS-SF8A10*	SM8DS-04PMS-SF8A10*	SM8DS-04PFFS-SF8A10*
8AP-04PMS-SH7001*	8AP-04PFFS-SH7001*	M8DP-04PMS-SH8001*	M8DP-04PFFS-SH8001*
8A-04PMS-SH7001	8A-04PFFS-SH7001	M8D-04PMS-SH8001*	M8D-04PFFS-SH8001*
M8AS-04PMS-SH8001*	M8AS-04PFFS-SH8001*	M8DS-04PMS-SH8001*	M8DS-04PFFS-SH8001*
SM8A-04PMS-SH8001*	SM8A-04PFFS-SH8001*	SM8D-04PMS-SH8001*	SM8D-04PFFS-SH8001*
SM8AS-04PMS-SH8001*	SM8AS-04PFFS-SH8001*	SM8DS-04PMS-SH8001*	SM8DS-04PFFS-SH8001*
8AP-04PMS-SH7A10*	8AP-04PFFS-SH7A10*	M8DP-04PMS-SH8A10*	M8DP-04PFFS-SH8A10*
8A-04PMS-SH7A10*	8A-04PFFS-SH7A10*	M8D-04PMS-SH8A10*	M8D-04PFFS-SH8A10*
M8AS-04PMS-SH8A10*	M8AS-04PFFS-SH8A10*	M8DS-04PMS-SH8A10*	M8DS-04PFFS-SH8A10*
SM8A-04PMS-SH8A10*	SM8A-04PFFS-SH8A10*	SM8D-04PMS-SH8A10*	SM8D-04PFFS-SH8A10*
SM8AS-04PMS-SH8A10*	SM8AS-04PFFS-SH8A10*	SM8DS-04PMS-SH8A10*	SM8DS-04PFFS-SH8A10*
M8A-04PMP-EE0001*	M8A-04PFFP-EE0001*	M8D-04PMP-EE0001*	M8D-04PFFP-EE0001*
M8A-04PMR-EE0001*	M8A-04PFFR-EE0001*	M8D-04PMR-EE0001*	M8D-04PFFR-EE0001*
M8A-04PMT-EE0001*	M8A-04PFFT-EE0001*	M8D-04PMT-EE0001*	M8D-04PFFT-EE0001*
M8AS-04PMP-EE0001*	M8AS-04PFFP-EE0001*	M8DS-04PMP-EE0001*	M8DS-04PFFP-EE0001*
M8AS-04PMR-EE0001*	M8AS-04PFFR-EE0001*	M8DS-04PMR-EE0001*	M8DS-04PFFR-EE0001*
M8AS-04PMT-EE0001*	M8AS-04PFFT-EE0001*	M8DS-04PMT-EE0001*	M8DS-04PFFT-EE0001*
APPM-AAAMA008-003		APPM-AAAMA008-003	
APPM-AAAF008-001		APPM-AAAF008-001	
APPM-AAAMA008-002		APPM-AAAMA008-002	
APPM-AAAF008-002		APPM-AAAF008-002	


Panel Cut-Out



Assemble Style

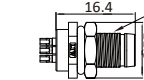
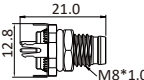
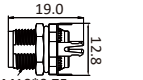


# M8 / Guided M8 Receptacle

	G8
Number of Contacts	5
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	2A
Pin Assignment	MM FF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

## M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, FRONT Fastened Nut

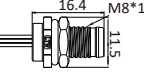
Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

 (MM, Plastic/Metal)   (MM, Shielded)   (FF, Shielded)	Plastic	Solder Pins	8AP-05PMMS-SF7001	8AP-05PFFS-SF7001*
		Straight PCB	8AP-05PMP-SF7001	8AP-05PFFP-SF7001*
		Right Angle PCB	8AP-05PMR-SF7001*	8AP-05PFFR-SF7001*
	Metal Nut	Solder Pins	8A-05PMS-SF7001	8A-05PFFS-SF7001*
		Straight PCB	8A-05PMP-SF7001	8A-05PFFP-SF7001*
		Right Angle PCB	8A-05PMR-SF7001*	8A-05PFFR-SF7001*
	Shielded	Solder Pins	M8AS-05PMS-SF8001*	M8AS-05PFFS-SF8001*
		Straight PCB	M8AS-05PMP-SF8001*	M8AS-05PFFP-SF8001
		Right Angle PCB	M8AS-05PMR-SF8001	M8AS-05PFFR-SF8001
	Stainless	Solder Pins	SM8AS-05PMS-SF8001*	SM8AS-05PFFS-SF8001*
		Straight PCB	SM8AS-05PMP-SF8001*	SM8AS-05PFFP-SF8001*
		Right Angle PCB	SM8AS-05PMR-SF8001*	SM8AS-05PFFR-SF8001*
	Stainless Shielded	Solder Pins	SM8AS-05PMS-SF8001*	SM8AS-05PFFS-SF8001*
		Straight PCB	SM8AS-05PMP-SF8001*	SM8AS-05PFFP-SF8001*
		Right Angle PCB	SM8AS-05PMR-SF8001*	SM8AS-05PFFR-SF8001*

## M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, FRONT Fastened Nut

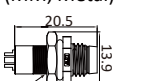
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

 (MM, Metal)	Plastic	8AP-05PMS-SF7A⑩*	8AP-05PFFS-SF7A⑩*
	Metal Nut	8A-05PMS-SF7A⑩*	8A-05PFFS-SF7A⑩*
	Shielded	M8AS-05PMS-SF8A⑩*	M8AS-05PFFS-SF8A⑩*
	Stainless	SM8AS-05PMS-SF8A⑩*	SM8AS-05PFFS-SF8A⑩*
	Stainless Shielded	SM8AS-05PMS-SF8A⑩*	SM8AS-05PFFS-SF8A⑩*

## M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, REAR Fastened Nut

Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

 (MM, Metal)	(FF, Metal)	Plastic	Solder Pins	8AP-05PMS-SH7001*	8AP-05PFFS-SH7001*
		Metal Nut	Solder Pins	8A-05PMS-SH7001	8A-05PFFS-SH7001
		Shielded	Solder Pins	M8AS-05PMS-SH8001*	M8AS-05PFFS-SH8001*
		Stainless	Solder Pins	SM8AS-05PMS-SH8001*	SM8AS-05PFFS-SH8001*
		Stainless Shielded	Solder Pins	SM8AS-05PMS-SH8001*	SM8AS-05PFFS-SH8001*

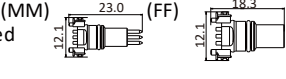
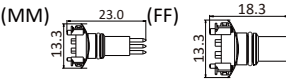
## M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, REAR Fastened Nut

⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

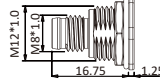
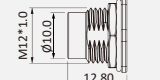
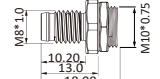
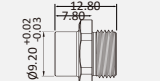
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths

 (MM, Metal)	(FF, Metal)	Plastic	(7A) IP67, (8A) IP68	8AP-05PMS-SH7A⑩*	8AP-05PFFS-SH7A⑩*
		Metal Nut	(7A) IP67, (8A) IP68	8A-05PMS-SH7A⑩*	8A-05PFFS-SH7A⑩*
		Shielded	(7A) IP67, (8A) IP68	M8AS-05PMS-SH8A⑩*	M8AS-05PFFS-SH8A⑩*
		Stainless	(7A) IP67, (8A) IP68	SM8AS-05PMS-SH8A⑩*	SM8AS-05PFFS-SH8A⑩*
		Stainless Shielded	(7A) IP67, (8A) IP68	SM8AS-05PMS-SH8A⑩*	SM8AS-05PFFS-SH8A⑩*

## M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers



 Unshielded	(MM)	(FF)	Unshielded	THR Straight	M8A-05PMP-EE0001*	M8A-05PFFP-EE0001*
				THR Right Angle	M8A-05PMR-EE0001*	M8A-05PFFR-EE0001*
				SMD Straight	M8A-05PMT-EE0001*	M8A-05PFFT-EE0001*
	(MM)	(FF)	Shielded	THR Straight	M8AS-05PMP-EE0001*	M8AS-05PFFP-EE0001*
 Shielded				THR Right Angle	M8AS-05PMR-EE0001*	M8AS-05PFFR-EE0001*
				SMD Straight	M8AS-05PMT-EE0001*	M8AS-05PFFT-EE0001*

## M8 / G8 Two-piece, Housing Screw Connections For SMD Contact Carriers

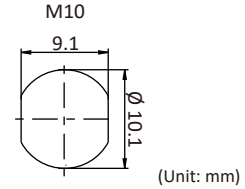
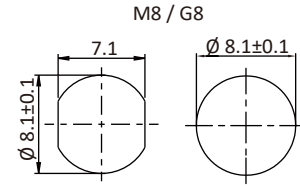
	Front Fastened, SMD Male	APPM-AAAMA008-003
	Front Fastened, SMD Female	APPM-AAFA008-001
	Rear Fastened, SMD Male	APPM-AAAMA008-002
	Rear Fastened, SMD Female	APPM-AAFA008-002

\*Upon Request

# M8 / Guided M8 Receptacle

M8		G8	
5		5 (3+2)	
B		H	
30V		30V	
3A		3A+1.5A	
MM	FF	MM	FF
			

## Panel Cut-Out



## Assemble Style



M8BP-05PMMMS-SF8001*	M8BP-05PFFS-SF8001*	8HP-05PMMMS-SF7001	8HP-05PFFS-SF7001*
M8BP-05PMMMP-SF8001*	M8BP-05PFFP-SF8001*	8HP-05PMMMP-SF7001	8HP-05PFFP-SF7001*
M8BP-05PMMMR-SF8001*	M8BP-05PFFR-SF8001*	8HP-05PMMMR-SF7001*	8HP-05PFFR-SF7001*
M8B-05PMMMS-SF8001*	M8B-05PFFS-SF8001*	8H-05PMMMS-SF7001	8H-05PFFS-SF7001*
M8B-05PMMMP-SF8001*	M8B-05PFFP-SF8001*	8H-05PMMMP-SF7001	8H-05PFFP-SF7001*
M8B-05PMMMR-SF8001*	M8B-05PFFR-SF8001*	8H-05PMMMR-SF7001*	8H-05PFFR-SF7001*
M8BS-05PMMMS-SF8001*	M8BS-05PFFS-SF8001*	M8HS-05PMMMS-SF8001*	M8HS-05PFFS-SF8001*
M8BS-05PMMMP-SF8001*	M8BS-05PFFP-SF8001*	M8HS-05PMMMP-SF8001*	M8HS-05PFFP-SF8001*
M8BS-05PMMMR-SF8001*	M8BS-05PFFR-SF8001*	M8HS-05PMMMR-SF8001*	M8HS-05PFFR-SF8001*
SM8B-05PMMMS-SF8001*	SM8B-05PFFS-SF8001*	SM8H-05PMMMS-SF8001*	SM8H-05PFFS-SF8001*
SM8B-05PMMMP-SF8001*	SM8B-05PFFP-SF8001*	SM8H-05PMMMP-SF8001*	SM8H-05PFFP-SF8001*
SM8B-05PMMMR-SF8001*	SM8B-05PFFR-SF8001*	SM8H-05PMMMR-SF8001*	SM8H-05PFFR-SF8001*
SM8BS-05PMMMS-SF8001*	SM8BS-05PFFS-SF8001*	SM8HS-05PMMMS-SF8001*	SM8HS-05PFFS-SF8001*
SM8BS-05PMMMP-SF8001*	SM8BS-05PFFP-SF8001*	SM8HS-05PMMMP-SF8001*	SM8HS-05PFFP-SF8001*
SM8BS-05PMMMR-SF8001*	SM8BS-05PFFR-SF8001*	SM8HS-05PMMMR-SF8001*	SM8HS-05PFFR-SF8001*

M8BP-05PMMMS-SF8A10*	M8BP-05PFFS-SF8A10*	8HP-05PMMMS-SF7A10*	8HP-05PFFS-SF7A10*
M8B-05PMMMS-SF8A10*	M8B-05PFFS-SF8A10*	8H-05PMMMS-SF7A10*	8H-05PFFS-SF7A10*
M8BS-05PMMMS-SF8A10*	M8BS-05PFFS-SF8A10*	M8HS-05PMMMS-SF8A10*	M8HS-05PFFS-SF8A10*
SM8B-05PMMMS-SF8A10*	SM8B-05PFFS-SF8A10*	SM8H-05PMMMS-SF8A10*	SM8H-05PFFS-SF8A10*
SM8BS-05PMMMS-SF8A10*	SM8BS-05PFFS-SF8A10*	SM8HS-05PMMMS-SF8A10*	SM8HS-05PFFS-SF8A10*


M8BP-05PMMMS-SH8001*	M8BP-05PFFS-SH8001*	8HP-05PMMMS-SH7001	8HP-05PFFS-SH7001*
M8B-05PMMMS-SH8001*	M8B-05PFFS-SH8001*	8H-05PMMMS-SH7001	8H-05PFFS-SH7001*
M8BS-05PMMMS-SH8001*	M8BS-05PFFS-SH8001*	M8HS-05PMMMS-SH8001*	M8HS-05PFFS-SH8001*
SM8B-05PMMMS-SH8001*	SM8B-05PFFS-SH8001*	SM8H-05PMMMS-SH8001*	SM8H-05PFFS-SH8001*
SM8BS-05PMMMS-SH8001*	SM8BS-05PFFS-SH8001*	SM8HS-05PMMMS-SH8001*	SM8HS-05PFFS-SH8001*

M8BP-05PMMMS-SH8A10*	M8BP-05PFFS-SH8A10*	8HP-05PMMMS-SH7A10*	8HP-05PFFS-SH7A10*
M8B-05PMMMS-SH8A10*	M8B-05PFFS-SH8A10*	8H-05PMMMS-SH7A10*	8H-05PFFS-SH7A10*
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SM8B-05PMMMS-SH8A10*	SM8B-05PFFS-SH8A10*	SM8H-05PMMMS-SH8A10*	SM8H-05PFFS-SH8A10*
SM8BS-05PMMMS-SH8A10*	SM8BS-05PFFS-SH8A10*	SM8HS-05PMMMS-SH8A10*	SM8HS-05PFFS-SH8A10*

M8B-05PMMMP-EE0001*	M8B-05PFFP-EE0001*	-	-
M8B-05PMMMR-EE0001*	M8B-05PFFR-EE0001*	-	-
M8B-05PMMMT-EE0001*	M8B-05PFFT-EE0001*	-	-
M8BS-05PMMMP-EE0001*	M8BS-05PFFP-EE0001*	-	-
M8BS-05PMMMR-EE0001*	M8BS-05PFFR-EE0001*	-	-
M8BS-05PMMMT-EE0001*	M8BS-05PFFT-EE0001*	-	-

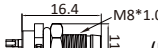
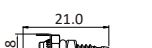
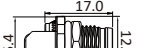

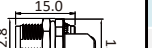
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APPM-AAFA008-001	APPM-AAFA008-001
APPM-AAAMA008-002	APPM-AAAMA008-002
APPM-AAFA008-002	APPM-AAFA008-002

## M8 / Guided M8 Receptacle

	M8
Number of Contacts	6
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	1.5A
Pin Assignment	MM             FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact	

M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, **FRONT** Fastened Nut


Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

 <p>(MM, Plastic/Metal)</p>  <p>(MM, Shielded)</p>  <p>(FF, Shielded)</p>  	Plastic	Solder Pins	8P-06P <b>MS</b> -SF7001*	8P-06P <b>FS</b> -SF7001*
		Straight PCB	8P-06P <b>MMP</b> -SF7001*	8P-06P <b>FFP</b> -SF7001*
		Right Angle PCB	8P-06P <b>MMR</b> -SF7001*	8P-06P <b>FFR</b> -SF7001*
	Metal Nut	Solder Pins	8-06P <b>MS</b> -SF7001*	8-06P <b>FS</b> -SF7001*
		Straight PCB	8-06P <b>MMP</b> -SF7001*	8-06P <b>FFP</b> -SF7001*
		Right Angle PCB	8-06P <b>MMR</b> -SF7001*	8-06P <b>FFR</b> -SF7001*
	Shielded	Solder Pins	M8S-06P <b>MS</b> -SF8001*	M8S-06P <b>FS</b> -SF8001*
		Straight PCB	M8S-06P <b>MMP</b> -SF8001*	M8S-06P <b>FFP</b> -SF8001*
		Right Angle PCB	M8S-06P <b>MMR</b> -SF8001*	M8S-06P <b>FFR</b> -SF8001
	Stainless	Solder Pins	SM8-06P <b>MS</b> -SF8001*	SM8-06P <b>FS</b> -SF8001*
		Straight PCB	SM8-06P <b>MMP</b> -SF8001*	SM8-06P <b>FFP</b> -SF8001*
		Right Angle PCB	SM8-06P <b>MMR</b> -SF8001*	SM8-06P <b>FFR</b> -SF8001*
Stainless Shielded		Solder Pins	SM8S-06P <b>MS</b> -SF8001*	SM8S-06P <b>FS</b> -SF8001*
		Straight PCB	SM8S-06P <b>MMP</b> -SF8001*	SM8S-06P <b>FFP</b> -SF8001*
		Right Angle PCB	SM8S-06P <b>MMR</b> -SF8001*	SM8S-06P <b>FFR</b> -SF8001*

M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **FRONT** Fastened Nut



10 Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.

 (MM, Metal)	Plastic	8P-06P <b>MMS</b> -SF7A10 *	8P-06P <b>FFS</b> -SF7A10 *
	Metal Nut	8-06P <b>MMS</b> -SF7A10 *	8-06P <b>FFS</b> -SF7A10 *
	Shielded	M8S-06P <b>MMS</b> -SF8A10 *	M8S-06P <b>FFS</b> -SF8A10 *
	Stainless	SM8-06P <b>MMS</b> -SF8A10 *	SM8-06P <b>FFS</b> -SF8A10 *
	Stainless Shielded	SM8S-06P <b>MMS</b> -SF8A10 *	SM8S-06P <b>FFS</b> -SF8A10 *

M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut


Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

(MM, Metal)	(FF, Metal)	Plastic	Solder Pins	8P-06P <b>MMS</b> -SH7001*	8P-06P <b>FFS</b> -SH7001*
 20.5 13.9 M8*1.0	 18.0 M8*0.5 13.8	Metal Nut	Solder Pins	8-06P <b>MMS</b> -SH7001*	8-06P <b>FFS</b> -SH7001*
		Shielded	Solder Pins	M8S-06P <b>MMS</b> -SH8001*	M8S-06P <b>FFS</b> -SH8001*
		Stainless	Solder Pins	SM8-06P <b>MMS</b> -SH8001*	SM8-06P <b>FFS</b> -SH8001*
		Stainless Shielded	Solder Pins	SM8S-06P <b>MMS</b> -SH8001*	SM8S-06P <b>FFS</b> -SH8001*





M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **REAR** Fastened Nut

10 Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)

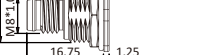


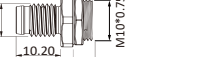
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths

(MM, Metal)	(FF, Metal)	Plastic	(7A) IP67, (8A) IP68	8P-06P <b>MMS</b> -SH7A10 *	8P-06P <b>FFS</b> -SH7A10 *
		Metal Nut	(7A) IP67, (8A) IP68	8-06P <b>MMS</b> -SH7A10 *	8-06P <b>FFS</b> -SH7A10 *
		Shielded	(7A) IP67, (8A) IP68	M8S-06P <b>MMS</b> -SH8A10 *	M8S-06P <b>FFS</b> -SH8A10 *
		Stainless	(7A) IP67, (8A) IP68	SM8S-06P <b>MMS</b> -SH8A10 *	SM8S-06P <b>FFS</b> -SH8A10 *
		Stainless Shielded	(7A) IP67, (8A) IP68	SM8S-06P <b>MMS</b> -SH8A10 *	SM8S-06P <b>FFS</b> -SH8A10 *

M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

Unshielded	(MM)		(FF)		Unshielded	THR Straight	M8-06 <b>P</b> MP-EE0001*	M8-06 <b>P</b> FP-EE0001*
						THR Right Angle	M8-06 <b>P</b> MR-EE0001*	M8-06 <b>P</b> FR-EE0001*
						SMD Straight	M8-06 <b>P</b> MT-EE0001*	M8-06 <b>P</b> FT-EE0001
Shielded	(MM)		(FF)		Shielded	THR Straight	M8S-06 <b>P</b> MP-EE0001*	M8S-06 <b>P</b> FP-EE0001*
						THR Right Angle	M8S-06 <b>P</b> MR-EE0001*	M8S-06 <b>P</b> FR-EE0001*
						SMD Straight	M8S-06 <b>P</b> MT-EE0001	M8S-06 <b>P</b> FT-EE0001

M8 / G8 Two-piece, Housing Screw Connections For SMD Contact Carriers

	Front Fastened, SMD Male	APPM-AAAMA008-001
	Front Fastened, SMD Female	APPM-AAFA008-001
	Rear Fastened, SMD Female	APPM-AAFA008-002
	Rear Fastened, SMD Male	-

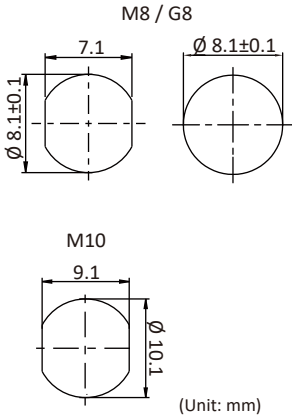
**\*Upon Request**



M8 / Guided M8 Receptacle

G8		M8	
6		8	
A		A	
30V		30V	
2A		1.5A	
MM	FF	MM	FF
			
8AP-06P <b>MMS</b> -SF7001	8AP-06P <b>FFS</b> -SF7001*	M8P-08P <b>MMS</b> -SF8001*	M8P-08P <b>FFS</b> -SF8001*
8AP-06P <b>MMP</b> -SF7001	8AP-06P <b>FFP</b> -SF7001*	M8P-08P <b>MMP</b> -SF8001*	M8P-08P <b>FFP</b> -SF8001*
8AP-06P <b>MMR</b> -SF7001*	8AP-06P <b>FFR</b> -SF7001*	M8P-08P <b>MMR</b> -SF8001*	M8P-08P <b>FFR</b> -SF8001*
8A-06P <b>MMS</b> -SF7001	8A-06P <b>FFS</b> -SF7001*	M8-08P <b>MMS</b> -SF8001*	M8-08P <b>FFS</b> -SF8001*
8A-06P <b>MMP</b> -SF7001	8A-06P <b>FFP</b> -SF7001*	M8-08P <b>MMP</b> -SF8001*	M8-08P <b>FFP</b> -SF8001*
8A-06P <b>MMR</b> -SF7001*	8A-06P <b>FFR</b> -SF7001*	M8-08P <b>MMR</b> -SF8001*	M8-08P <b>FFR</b> -SF8001*
M8AS-06P <b>MMS</b> -SF8001*	M8AS-06P <b>FFS</b> -SF8001*	M8S-08P <b>MMS</b> -SF8001*	M8S-08P <b>FFS</b> -SF8001*
M8AS-06P <b>MMF</b> -SF8001*	M8AS-06P <b>FFP</b> -SF8001	M8S-08P <b>MMF</b> -SF8001*	M8S-08P <b>FFP</b> -SF8001*
M8AS-06P <b>MMR</b> -SF8001	M8AS-06P <b>FFR</b> -SF8001	M8S-08P <b>MMR</b> -SF8001*	M8S-08P <b>FFR</b> -SF8001*
SM8A-06P <b>MMS</b> -SF8001*	SM8A-06P <b>FFS</b> -SF8001*	SM8-08P <b>MMS</b> -SF8001*	SM8-08P <b>FFS</b> -SF8001*
SM8A-06P <b>MMF</b> -SF8001*	SM8A-06P <b>FFP</b> -SF8001*	SM8-08P <b>MMF</b> -SF8001*	SM8-08P <b>FFP</b> -SF8001*
SM8A-06P <b>MMR</b> -SF8001*	SM8A-06P <b>FFR</b> -SF8001*	SM8-08P <b>MMR</b> -SF8001*	SM8-08P <b>FFR</b> -SF8001*
SM8AS-06P <b>MMS</b> -SF8001*	SM8AS-06P <b>FFS</b> -SF8001*	SM8S-08P <b>MMS</b> -SF8001*	SM8S-08P <b>FFS</b> -SF8001*
SM8AS-06P <b>MMF</b> -SF8001*	SM8AS-06P <b>FFP</b> -SF8001*	SM8S-08P <b>MMF</b> -SF8001*	SM8S-08P <b>FFP</b> -SF8001*
SM8AS-06P <b>MMR</b> -SF8001*	SM8AS-06P <b>FFR</b> -SF8001*	SM8S-08P <b>MMR</b> -SF8001*	SM8S-08P <b>FFR</b> -SF8001*
8AP-06P <b>MMS</b> -SF7A10*	8AP-06P <b>FFS</b> -SF7A10*	M8P-08P <b>MMS</b> -SF7A10*	M8P-08P <b>FFS</b> -SF7A10*
8A-06P <b>MMS</b> -SF7A10*	8A-06P <b>FFS</b> -SF7A10*	M8-08P <b>MMS</b> -SF7A10*	M8-08P <b>FFS</b> -SF7A10*
M8AS-06P <b>MMS</b> -SF8A10*	M8AS-06P <b>FFS</b> -SF8A10*	M8S-08P <b>MMS</b> -SF8A10*	M8S-08P <b>FFS</b> -SF8A10*
SM8A-06P <b>MMS</b> -SF8A10*	SM8A-06P <b>FFS</b> -SF8A10*	SM8-08P <b>MMS</b> -SF8A10*	SM8-08P <b>FFS</b> -SF8A10*
SM8AS-06P <b>MMS</b> -SF8A10*	SM8AS-06P <b>FFS</b> -SF8A10*	SM8S-08P <b>MMS</b> -SF8A10*	SM8S-08P <b>FFS</b> -SF8A10*
8AP-06P <b>MMS</b> -SH7001*	8AP-06P <b>FFS</b> -SH7001*	M8P-08P <b>MMS</b> -SH8001*	M8P-08P <b>FFS</b> -SH8001*
8A-06P <b>MMS</b> -SH7001	8A-06P <b>FFS</b> -SH7001	M8-08P <b>MMS</b> -SH8001*	M8-08P <b>FFS</b> -SH8001*
M8AS-06P <b>MMS</b> -SH8001*	M8AS-06P <b>FFS</b> -SH8001*	M8S-08P <b>MMS</b> -SH8001*	M8S-08P <b>FFS</b> -SH8001*
SM8A-06P <b>MMS</b> -SH8001*	SM8A-06P <b>FFS</b> -SH8001*	SM8-08P <b>MMS</b> -SH8001*	SM8-08P <b>FFS</b> -SH8001*
SM8AS-06P <b>MMS</b> -SH8001*	SM8AS-06P <b>FFS</b> -SH8001*	SM8S-08P <b>MMS</b> -SH8001*	SM8S-08P <b>FFS</b> -SH8001*
8AP-06P <b>MMS</b> -SH7A10*	8AP-06P <b>FFS</b> -SH7A10*	M8P-08P <b>MMS</b> -SH8A10*	M8P-08P <b>FFS</b> -SH8A10*
8A-06P <b>MMS</b> -SH7A10*	8A-06P <b>FFS</b> -SH7A10*	M8-08P <b>MMS</b> -SH8A10*	M8-08P <b>FFS</b> -SH8A10*
M8AS-06P <b>MMS</b> -SH8A10*	M8AS-06P <b>FFS</b> -SH8A10*	M8S-08P <b>MMS</b> -SH8A10*	M8S-08P <b>FFS</b> -SH8A10*
SM8A-06P <b>MMS</b> -SH8A10*	SM8A-06P <b>FFS</b> -SH8A10*	SM8-08P <b>MMS</b> -SH8A10*	SM8-08P <b>FFS</b> -SH8A10*
SM8AS-06P <b>MMS</b> -SH8A10*	SM8AS-06P <b>FFS</b> -SH8A10*	SM8S-08P <b>MMS</b> -SH8A10*	SM8S-08P <b>FFS</b> -SH8A10*
M8A-06P <b>MMP</b> -EE0001*	M8A-06P <b>FFP</b> -EE0001*	M8-08P <b>MMP</b> -EE0001*	M8-08P <b>FFP</b> -EE0001*
M8A-06P <b>MMR</b> -EE0001*	M8A-06P <b>FFR</b> -EE0001*	M8-08P <b>MMR</b> -EE0001*	M8-08P <b>FFR</b> -EE0001*
M8A-06P <b>MMT</b> -EE0001*	M8A-06P <b>FFT</b> -EE0001	M8-08P <b>MMT</b> -EE0001*	M8-08P <b>FFT</b> -EE0001
M8AS-06P <b>MMP</b> -EE0001*	M8AS-06P <b>FFP</b> -EE0001*	M8S-08P <b>MMP</b> -EE0001*	M8S-08P <b>FFP</b> -EE0001*
M8AS-06P <b>MMR</b> -EE0001*	M8AS-06P <b>FFR</b> -EE0001*	M8S-08P <b>MMR</b> -EE0001*	M8S-08P <b>FFR</b> -EE0001*
M8AS-06P <b>MMT</b> -EE0001*	M8AS-06P <b>FFT</b> -EE0001	M8S-08P <b>MMT</b> -EE0001*	M8S-08P <b>FFT</b> -EE0001
APPM-AAAMA008-001		APPM-AAAMA008-001	
APPM-AAFA008-001		APPM-AAFA008-001	
-		-	
APPM-AAFA008-002		APPM-AAFA008-002	

Panel Cut-Out



Assemble Style

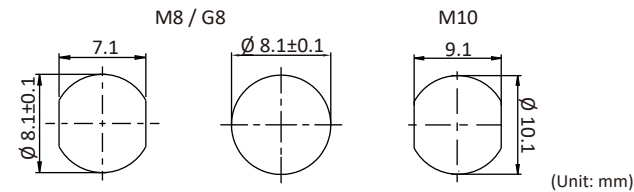


M8 / Guided M8 Receptacle

			M8		
Number of Contacts			12		
Coding			A		
Rated Voltage (AC/DC)			30V		
Nominal current			1A		
Pin Assignment			MM	FF	
MM: Male Connector Male Contact FF: Female Connector Female Contact					
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, <b>FRONT</b> Fastened Nut					
Nut Torque Value: 5 ~ 8 kgf-cm   Recommend Panel Thickness: Max 1.9 mm   IP Rating: (7001) IP67, (8001) IP68					
 (MM, Plastic/Metal) (MM, Shielded) (FF, Shielded)	Plastic	Solder Pins	M8P-12 <b>PMM</b> S-SF8001*	M8P-12 <b>PFF</b> S-SF8001*	
		Straight PCB	M8P-12 <b>PMM</b> P-SF8001*	M8P-12 <b>PFF</b> P-SF8001*	
		Right Angle PCB	M8P-12 <b>PMM</b> R-SF8001*	M8P-12 <b>PFF</b> R-SF8001*	
	Metal Nut	Solder Pins	M8-12 <b>PMM</b> S-SF8001*	M8-12 <b>PFF</b> S-SF8001*	
		Straight PCB	M8-12 <b>PMM</b> P-SF8001*	M8-12 <b>PFF</b> P-SF8001*	
		Right Angle PCB	M8-12 <b>PMM</b> R-SF8001*	M8-12 <b>PFF</b> R-SF8001*	
	Shielded	Solder Pins	M8S-12 <b>PMM</b> S-SF8001*	M8S-12 <b>PFF</b> S-SF8001*	
		Straight PCB	M8S-12 <b>PMM</b> P-SF8001*	M8S-12 <b>PFF</b> P-SF8001*	
		Right Angle PCB	M8S-12 <b>PMM</b> R-SF8001*	M8S-12 <b>PFF</b> R-SF8001*	
	Stainless	Solder Pins	SM8-12 <b>PMM</b> S-SF8001*	SM8-12 <b>PFF</b> S-SF8001*	
		Straight PCB	SM8-12 <b>PMM</b> P-SF8001*	SM8-12 <b>PFF</b> P-SF8001*	
		Right Angle PCB	SM8-12 <b>PMM</b> R-SF8001*	SM8-12 <b>PFF</b> R-SF8001*	
Stainless Shielded	Solder Pins	SM8S-12 <b>PMM</b> S-SF8001*	SM8S-12 <b>PFF</b> S-SF8001*		
	Straight PCB	SM8S-12 <b>PMM</b> P-SF8001*	SM8S-12 <b>PFF</b> P-SF8001*		
	Right Angle PCB	SM8S-12 <b>PMM</b> R-SF8001*	SM8S-12 <b>PFF</b> R-SF8001*		
M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, <b>FRONT</b> Fastened Nut					
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm)   (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.					
 (MM, Metal)	Plastic		M8P-12 <b>PMM</b> S-SF7A⑩*	M8P-12 <b>PFF</b> S-SF7A⑩*	
	Metal Nut		M8-12 <b>PMM</b> S-SF7A⑩*	M8-12 <b>PFF</b> S-SF7A⑩*	
	Shielded		M8S-12 <b>PMM</b> S-SF8A⑩*	M8S-12 <b>PFF</b> S-SF8A⑩*	
	Stainless		SM8-12 <b>PMM</b> S-SF8A⑩*	SM8-12 <b>PFF</b> S-SF8A⑩*	
	Stainless Shielded		SM8S-12 <b>PMM</b> S-SF8A⑩*	SM8S-12 <b>PFF</b> S-SF8A⑩*	
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, <b>REAR</b> Fastened Nut					
Nut Torque Value: 5 ~ 8 kgf-cm   Recommend Panel Thickness: Max 1.9 mm   IP Rating: (7001) IP67, (8001) IP68					
 (MM, Metal)	(FF, Metal)	Plastic	Solder Pins	M8P-12 <b>PMM</b> S-SH8001*	M8P-12 <b>PFF</b> S-SH8001*
	 (FF, Metal)	Metal Nut	Solder Pins	M8-12 <b>PMM</b> S-SH8001*	M8-12 <b>PFF</b> S-SH8001*
		Shielded	Solder Pins	M8S-12 <b>PMM</b> S-SH8001*	M8S-12 <b>PFF</b> S-SH8001*
		Stainless	Solder Pins	SM8-12 <b>PMM</b> S-SH8001*	SM8-12 <b>PFF</b> S-SH8001*
		Stainless Shielded	Solder Pins	SM8S-12 <b>PMM</b> S-SH8001*	SM8S-12 <b>PFF</b> S-SH8001*
M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, <b>REAR</b> Fastened Nut					
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm)   (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths					
 (MM, Metal)	(FF, Metal)	Plastic	(7A) IP67, (8A) IP68	M8P-12 <b>PMM</b> S-SH8A⑩*	M8P-12 <b>PFF</b> S-SH8A⑩*
	 (FF, Metal)	Metal Nut	(7A) IP67, (8A) IP68	M8-12 <b>PMM</b> S-SH8A⑩*	M8-12 <b>PFF</b> S-SH8A⑩*
		Shielded	(7A) IP67, (8A) IP68	M8S-12 <b>PMM</b> S-SH8A⑩*	M8S-12 <b>PFF</b> S-SH8A⑩*
		Stainless	(7A) IP67, (8A) IP68	SM8-12 <b>PMM</b> S-SH8A⑩*	SM8-12 <b>PFF</b> S-SH8A⑩*
		Stainless Shielded	(7A) IP67, (8A) IP68	SM8S-12 <b>PMM</b> S-SH8A⑩*	SM8S-12 <b>PFF</b> S-SH8A⑩*
M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers					
 (MM)	(FF)	Unshielded	THR Straight	M8-12 <b>PMM</b> P-EE0001*	M8-12 <b>PFF</b> P-EE0001*
	 (FF)		THR Right Angle	M8-12 <b>PMM</b> R-EE0001*	M8-12 <b>PFF</b> R-EE0001*
			SMD Straight	M8-12 <b>PMM</b> T-EE0001*	M8-12 <b>PFF</b> T-EE0001*
 (MM)	(FF)	Shielded	THR Straight	M8S-12 <b>PMM</b> P-EE0001*	M8S-12 <b>PFF</b> P-EE0001*
	 (FF)		THR Right Angle	M8S-12 <b>PMM</b> R-EE0001*	M8S-12 <b>PFF</b> R-EE0001*
			SMD Straight	M8S-12 <b>PMM</b> T-EE0001*	M8S-12 <b>PFF</b> T-EE0001*

\*Upon Request

Panel Cut-Out


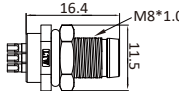
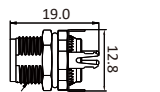
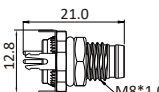
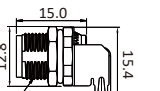
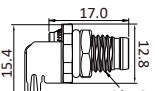
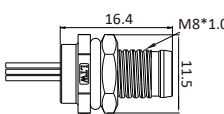


Assemble Style






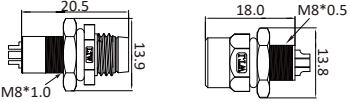
# M8 / Guided M8 Receptacle

			M8	
Number of Contacts			13	
Coding			A	
Rated Voltage (AC/DC)			30V	
Nominal current			0.5A	
Pin Assignment			MM                      FF	
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact				
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, <b>FRONT</b> Fastened Nut Nut Torque Value: 5 ~ 8 kgf-cm   Recommend Panel Thickness: Max 1.9 mm   IP Rating: (7001) IP67, (8001) IP68				
<div>(MM, Plastic/Metal)</div>  <div>(MM, Shielded)                      (FF, Shielded)</div> <div></div> <div></div>	Plastic	Solder Pins	M8P-13P <b>MM</b> S-SF8001*	M8P-13P <b>FF</b> S-SF8001*
		Straight PCB	M8P-13P <b>MM</b> P-SF8001*	M8P-13P <b>FF</b> P-SF8001*
		Right Angle PCB	M8P-13P <b>MM</b> R-SF8001*	M8P-13P <b>FF</b> R-SF8001*
	Metal Nut	Solder Pins	M8-13P <b>MM</b> S-SF8001*	M8-13P <b>FF</b> S-SF8001*
		Straight PCB	M8-13P <b>MM</b> P-SF8001*	M8-13P <b>FF</b> P-SF8001*
		Right Angle PCB	M8-13P <b>MM</b> R-SF8001*	M8-13P <b>FF</b> R-SF8001*
	Shielded	Solder Pins	M8S-13P <b>MM</b> S-SF8001*	M8S-13P <b>FF</b> S-SF8001*
		Straight PCB	M8S-13P <b>MM</b> P-SF8001*	M8S-13P <b>FF</b> P-SF8001*
		Right Angle PCB	M8S-13P <b>MM</b> R-SF8001*	M8S-13P <b>FF</b> R-SF8001*
	Stainless	Solder Pins	SM8-13P <b>MM</b> S-SF8001*	SM8-13P <b>FF</b> S-SF8001*
		Straight PCB	SM8-13P <b>MM</b> P-SF8001*	SM8-13P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8-13P <b>MM</b> R-SF8001*	SM8-13P <b>FF</b> R-SF8001*
	Stainless Shielded	Solder Pins	SM8S-13P <b>MM</b> S-SF8001*	SM8S-13P <b>FF</b> S-SF8001*
		Straight PCB	SM8S-13P <b>MM</b> P-SF8001*	SM8S-13P <b>FF</b> P-SF8001*
		Right Angle PCB	SM8S-13P <b>MM</b> R-SF8001*	SM8S-13P <b>FF</b> R-SF8001*
M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, <b>FRONT</b> Fastened Nut <b>10</b> Wire Length: (10) 100mm ~ (95) 950mm (per 50mm)   (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm) Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths.				
<div>(MM, Metal)</div> 	Plastic		M8P-13P <b>MM</b> S-SF7A <b>10</b> *	M8P-13P <b>FF</b> S-SF7A <b>10</b> *
	Metal Nut		M8-13P <b>MM</b> S-SF7A <b>10</b> *	M8-13P <b>FF</b> S-SF7A <b>10</b> *
	Shielded		M8S-13P <b>MM</b> S-SF8A <b>10</b> *	M8S-13P <b>FF</b> S-SF8A <b>10</b> *
	Stainless		SM8-13P <b>MM</b> S-SF8A <b>10</b> *	SM8-13P <b>FF</b> S-SF8A <b>10</b> *
	Stainless Shielded		SM8S-13P <b>MM</b> S-SF8A <b>10</b> *	SM8S-13P <b>FF</b> S-SF8A <b>10</b> *

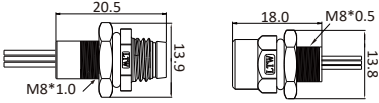
M8 / Guided M8 Receptacle

	M8
Number of Contacts	13
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	0.5A
Pin Assignment	MMFF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

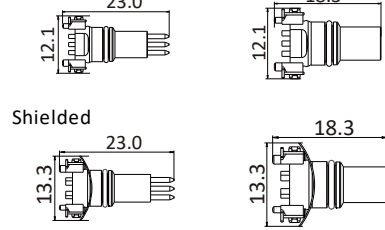
M8 X 1.0 / G8 X 1.0 Bulkhead / Receptacle, Hexagonal Flange, **REAR** Fastened Nut  
Nut Torque Value: 5 ~ 8 kgf-cm | Recommend Panel Thickness: Max 1.9 mm | IP Rating: (7001) IP67, (8001) IP68

	Plastic	Solder Pins	M8P-13PMMS-SH8001*	M8P-13PFFS-SH8001*
	Metal Nut	Solder Pins	M8-13PMMS-SH8001*	M8-13PFFS-SH8001*
	Shielded	Solder Pins	M8S-13PMMS-SH8001*	M8S-13PFFS-SH8001*
	Stainless	Solder Pins	SM8-13PMMS-SH8001*	SM8-13PFFS-SH8001*
	Stainless Shielded	Solder Pins	SM8S-13PMMS-SH8001*	SM8S-13PFFS-SH8001*

M8 / G8 Bulkhead / Receptacle With UL1061 PVC Wires, Hexagonal Flange, **REAR** Fastened Nut  
⑩ Wire Length: (10) 100mm ~ (95) 950mm (per 50mm) | (A0) 1,000mm ~ (A5) 1,500mm (Per 100mm)  
Standard Lengths: (25) 250mm and (50) 500mm. Higher MOQ Might Apply For Non-Standard Lengths

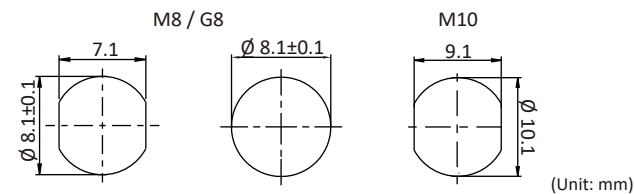
	Plastic	(7A) IP67, (8A) IP68	M8P-13PMMS-SH8A⑩*	M8P-13PFFS-SH8A⑩*
	Metal Nut	(7A) IP67, (8A) IP68	M8-13PMMS-SH8A⑩*	M8-13PFFS-SH8A⑩*
	Shielded	(7A) IP67, (8A) IP68	M8S-13PMMS-SH8A⑩*	M8S-13PFFS-SH8A⑩*
	Stainless	(7A) IP67, (8A) IP68	SM8-13PMMS-SH8A⑩*	SM8-13PFFS-SH8A⑩*
	Stainless Shielded	(7A) IP67, (8A) IP68	SM8S-13PMMS-SH8A⑩*	SM8S-13PFFS-SH8A⑩*

M8 / G8 Two-piece, Through Hole Reflow (THR) And SMD Contact Carriers

	Unshielded	THR Straight	M8-13PMMP-EE0001*	M8-13PFFP-EE0001*
		THR Right Angle	M8-13PMMR-EE0001*	M8-13PFFR-EE0001*
		SMD Straight	M8-13PMMT-EE0001*	M8-13PFFT-EE0001*
	Shielded	THR Straight	M8S-13PMMP-EE0001*	M8S-13PFFP-EE0001*
		THR Right Angle	M8S-13PMMR-EE0001*	M8S-13PFFR-EE0001*
		SMD Straight	M8S-13PMMT-EE0001*	M8S-13PFFT-EE0001*

\*Upon Request

Panel Cut-Out



Assemble Style



# M8 / Guided M8 Overmolded Cable

	G8
Number of Contacts	2
Coding	A
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	MM      FF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	8AP-02BMMM-SL7B	8AP-02BFFM-SL7B
		Plastic (Snap-in, IP65)	UL2517, PVC	8AP-02BMMM-SL7D	8AP-02BFFM-SL7D
(MM, Plastic/3 & 4 pin)	(FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	8AP-02AMMM-QL5B	8AP-02AFFM-QL5B
		Shielded	UL2517, PVC	8AP-02AMMM-QL5D	8AP-02AFFM-QL5D
(MM, Shielded)	(FF, Shielded)	Stainless	UL20549, PUR	8A-02BMMM-SL7B	8A-02BFFM-SL7B
		Stainless Shielded	UL2517, PVC	8A-02BMMM-SL7D	8A-02BFFM-SL7D
			UL20549, PUR	M8AS-02BMMM-SL7B	M8AS-02BFFM-SL7B
			UL2517, PVC	M8AS-02BMMM-SL7D	M8AS-02BFFM-SL7D
			UL20549, PUR	SM8A-02BMMM-SL7B	SM8A-02BFFM-SL7B
			UL2517, PVC	SM8A-02BMMM-SL7D	SM8A-02BFFM-SL7D
			UL20549, PUR	SM8AS-02BMMM-SL7B	SM8AS-02BFFM-SL7B
			UL2517, PVC	SM8AS-02BMMM-SL7D	SM8AS-02BFFM-SL7D

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(Plastic/Metal)	(Shielded)	Plastic	UL20549, PUR	8AP-02BMMM-SR7B	8AP-02BFFM-SR7B
(MM)	(MM)	Plastic (Snap-in, IP65)	UL2517, PVC	8AP-02BMMM-SR7D	8AP-02BFFM-SR7D
		Metal Nut	UL20549, PUR	8A-02BMMM-SR7B	8A-02BFFM-SR7B
(FF)	(FF)	Shielded	UL2517, PVC	8A-02BMMM-SR7D	8A-02BFFM-SR7D
		Stainless	UL20549, PUR	M8AS-02BMMM-SR7B	M8AS-02BFFM-SR7B
		Stainless Shielded	UL2517, PVC	M8AS-02BMMM-SR7D	M8AS-02BFFM-SR7D
			UL20549, PUR	SM8A-02BMMM-SR7B	SM8A-02BFFM-SR7B
			UL2517, PVC	SM8A-02BMMM-SR7D	SM8A-02BFFM-SR7D
			UL20549, PUR	SM8AS-02BMMM-SR7B	SM8AS-02BFFM-SR7B
			UL2517, PVC	SM8AS-02BMMM-SR7D	SM8AS-02BFFM-SR7D

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8AP02ML-8APML-SB	M8AP02FL-8APFL-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	M8AP02ML-8APML-SD	M8AP02FL-8APFL-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	M8AP02ML-8APML-QB	M8AP02FL-8APFL-QB
		Shielded	UL2517, PVC	M8AP02ML-8APML-QD	M8AP02FL-8APFL-QD
		Stainless	UL20549, PUR	M8A02ML-8AML-SB	M8A02FL-8AFL-SB
		Stainless Shielded	UL2517, PVC	M8A02ML-8AML-SD	M8A02FL-8AFL-SD
			UL20549, PUR	M8AS02ML-ASML-SB	M8AS02FL-ASFL-SB
			UL2517, PVC	M8AS02ML-ASML-SD	M8AS02FL-ASFL-SD
			UL20549, PUR	SM8A02ML-8AML-SB	SM8A02FL-8AFL-SB
			UL2517, PVC	SM8A02ML-8AML-SD	SM8A02FL-8AFL-SD
			UL20549, PUR	SM8AS02ML-ASML-SB	SM8AS02FL-ASFL-SB
			UL2517, PVC	SM8AS02ML-ASML-SD	SM8AS02FL-ASFL-SD

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8AP02ML-8APMR-SB	M8AP02FL-8APFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	M8AP02ML-8APMR-SD	M8AP02FL-8APFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	M8A02ML-8AMR-SB	M8A02FL-8AFR-SB
		Shielded	UL2517, PVC	M8A02ML-8AMR-SD	M8A02FL-8AFR-SD
		Stainless	UL20549, PUR	M8AS02ML-ASMR-SB	M8AS02FL-ASFR-SB
		Stainless Shielded	UL2517, PVC	M8AS02ML-ASMR-SD	M8AS02FL-ASFR-SD
			UL20549, PUR	SM8A02ML-8AMR-SB	SM8A02FL-8AFR-SB
			UL2517, PVC	SM8A02ML-8AMR-SD	SM8A02FL-8AFR-SD
			UL20549, PUR	SM8AS02ML-ASMR-SB	SM8AS02FL-ASFR-SB
			UL2517, PVC	SM8AS02ML-ASMR-SD	SM8AS02FL-ASFR-SD

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8AP02MR-8APMR-SB	M8AP02FR-8APFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	M8AP02MR-8APMR-SD	M8AP02FR-8APFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	M8A02MR-8AMR-SB	M8A02FR-8AFR-SB
		Shielded	UL2517, PVC	M8A02MR-8AMR-SD	M8A02FR-8AFR-SD
		Stainless	UL20549, PUR	M8AS02MR-ASMR-SB	M8AS02FR-ASFR-SB
		Stainless Shielded	UL2517, PVC	M8AS02MR-ASMR-SD	M8AS02FR-ASFR-SD
			UL20549, PUR	SM8A02MR-8AMR-SB	SM8A02FR-8AFR-SB
			UL2517, PVC	SM8A02MR-8AMR-SD	SM8A02FR-8AFR-SD
			UL20549, PUR	SM8AS02MR-ASMR-SB	SM8AS02FR-ASFR-SB
			UL2517, PVC	SM8AS02MR-ASMR-SD	SM8AS02FR-ASFR-SD

\* Upon Request <sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 Overmolded Cable

	M8
Number of Contacts	3
Coding	A
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	MM      FF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	8P-03BMMM-SL7B <sup>10</sup>	8P-03BFFM-SL7B <sup>10</sup>
		Plastic (Snap-in, IP65)	UL2517, PVC	8P-03BMMM-SL7D <sup>10*</sup>	8P-03BFFM-SL7D <sup>10*</sup>
(MM, Plastic/3 & 4 pin)	(FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	8P-03AMMM-QL5B <sup>10*</sup>	8P-03AFFM-QL5B <sup>10*</sup>
		Shielded	UL2517, PVC	8P-03AMMM-QL5D <sup>10*</sup>	8P-03AFFM-QL5D <sup>10*</sup>
(MM, Shielded)	(FF, Shielded)	Stainless	UL20549, PUR	8-03BMMM-SL7B <sup>10</sup>	8-03BFFM-SL7B <sup>10</sup>
		Stainless Shielded	UL2517, PVC	8-03BMMM-SL7D <sup>10*</sup>	8-03BFFM-SL7D <sup>10*</sup>
			UL20549, PUR	M8S-03BMMM-SL7B <sup>10*</sup>	M8S-03BFFM-SL7B <sup>10*</sup>
			UL2517, PVC	M8S-03BMMM-SL7D <sup>10*</sup>	M8S-03BFFM-SL7D <sup>10*</sup>
			UL20549, PUR	SM8-03BMMM-SL7B <sup>10*</sup>	SM8-03BFFM-SL7B <sup>10*</sup>
			UL2517, PVC	SM8-03BMMM-SL7D <sup>10*</sup>	SM8-03BFFM-SL7D <sup>10*</sup>
			UL20549, PUR	SM8S-03BMMM-SL7B <sup>10*</sup>	SM8S-03BFFM-SL7B <sup>10*</sup>
			UL2517, PVC	SM8S-03BMMM-SL7D <sup>10*</sup>	SM8S-03BFFM-SL7D <sup>10*</sup>

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(Plastic/Metal)	(Shielded)	Plastic	UL20549, PUR	8P-03BMMM-SR7B <sup>10</sup>	8P-03BFFM-SR7B <sup>10</sup>
(MM)	(FF)	Metal Nut	UL2517, PVC	8P-03BMMM-SR7D <sup>10*</sup>	8P-03BFFM-SR7D <sup>10*</sup>
		Shielded	UL20549, PUR	8-03BMMM-SR7B <sup>10</sup>	8-03BFFM-SR7B <sup>10</sup>
(MM)	(FF)	Stainless	UL2517, PVC	8-03BMMM-SR7D <sup>10*</sup>	8-03BFFM-SR7D <sup>10*</sup>
		Stainless Shielded	UL20549, PUR	M8S-03BMMM-SR7B <sup>10*</sup>	M8S-03BFFM-SR7B <sup>10*</sup>
			UL2517, PVC	M8S-03BMMM-SR7D <sup>10*</sup>	M8S-03BFFM-SR7D <sup>10*</sup>
			UL20549, PUR	SM8-03BMMM-SR7B <sup>10*</sup>	SM8-03BFFM-SR7B <sup>10*</sup>
			UL2517, PVC	SM8-03BMMM-SR7D <sup>10*</sup>	SM8-03BFFM-SR7D <sup>10*</sup>
			UL20549, PUR	SM8S-03BMMM-SR7B <sup>10*</sup>	SM8S-03BFFM-SR7B <sup>10*</sup>
			UL2517, PVC	SM8S-03BMMM-SR7D <sup>10*</sup>	SM8S-03BFFM-SR7D <sup>10*</sup>

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P03ML-8PML-SB <sup>10*</sup>	M8P03FL-8PFL-SB <sup>10*</sup>
		Plastic (Snap-in, IP65)	UL2517, PVC	M8P03ML-8PML-SD <sup>10*</sup>	M8P03FL-8PFL-SD <sup>10*</sup>
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	M8P03ML-8PML-QB <sup>10*</sup>	M8P03FL-8PFL-QB <sup>10*</sup>
		Shielded	UL2517, PVC	M8P03ML-8PML-QD <sup>10*</sup>	M8P03FL-8PFL-QD <sup>10*</sup>
		Stainless	UL20549, PUR	M803ML-8ML-SB <sup>10*</sup>	M803FL-8FL-SB <sup>10*</sup>
		Stainless Shielded	UL2517, PVC	M803ML-8ML-SD <sup>10*</sup>	M803FL-8FL-SD <sup>10*</sup>
			UL20549, PUR	M8S03ML-SML-SB <sup>10*</sup>	M8S03FL-SFL-SB <sup>10*</sup>
			UL2517, PVC	M8S03ML-SML-SD <sup>10*</sup>	M8S03FL-SFL-SD <sup>10*</sup>
			UL20549, PUR	SM803ML-8ML-SB <sup>10*</sup>	SM803FL-8FL-SB <sup>10*</sup>
			UL2517, PVC	SM803ML-8ML-SD <sup>10*</sup>	SM803FL-8FL-SD <sup>10*</sup>
			UL20549, PUR	SM8S03ML-SML-SB <sup>10*</sup>	SM8S03FL-SFL-SB <sup>10*</sup>
			UL2517, PVC	SM8S03ML-SML-SD <sup>10*</sup>	SM8S03FL-SFL-SD <sup>10*</sup>

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P03ML-8PMR-SB <sup>10*</sup>	M8P03FL-8PFR-SB <sup>10*</sup>
		Metal Nut	UL2517, PVC	M8P03ML-8PMR-SD <sup>10*</sup>	M8P03FL-8PFR-SD <sup>10*</sup>
(MM, Shielded)	(FF, Shielded)	Shielded	UL20549, PUR	M803ML-8MR-SB <sup>10*</sup>	M803FL-8FR-SB <sup>10*</sup>
		Stainless	UL2517, PVC	M803ML-8MR-SD <sup>10*</sup>	M803FL-8FR-SD <sup>10*</sup>
		Stainless Shielded	UL20549, PUR	M8S03ML-SMR-SB <sup>10*</sup>	M8S03FL-SFR-SB <sup>10*</sup>
			UL2517, PVC	M8S03ML-SMR-SD <sup>10*</sup>	M8S03FL-SFR-SD <sup>10*</sup>
			UL20549, PUR	SM803ML-8MR-SB <sup>10*</sup>	SM803FL-8FR-SB <sup>10*</sup>
			UL2517, PVC	SM803ML-8MR-SD <sup>10*</sup>	SM803FL-8FR-SD <sup>10*</sup>
			UL20549, PUR	SM8S03ML-SMR-SB <sup>10*</sup>	SM8S03FL-SFR-SB <sup>10*</sup>
			UL2517, PVC	SM8S03ML-SMR-SD <sup>10*</sup>	SM8S03FL-SFR-SD <sup>10*</sup>

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF



(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P03MR-8PMR-SB <sup>10*</sup>	M8P03FR-8PFR-SB <sup>10*</sup>
		Metal Nut	UL2517, PVC	M8P03MR-8PMR-SD <sup>10*</sup>	M8P03FR-8PFR-SD <sup>10*</sup>
(MM, Shielded)	(FF, Shielded)	Shielded	UL20549, PUR	M803MR-8MR-SB <sup>10*</sup>	M803FR-8FR-SB <sup>10*</sup>
		Stainless	UL2517, PVC	M803MR-8MR-SD <sup>10*</sup>	M803FR-8FR-SD <sup>10*</sup>
		Stainless Shielded	UL20549, PUR	M8S03MR-SMR-SB <sup>10*</sup>	M8S03FR-SFR-SB <sup>10*</sup>
			UL2517, PVC	M8S03MR-SMR-SD <sup>10*</sup>	M8S03FR-SFR-SD <sup>10*</sup>
			UL20549, PUR	SM803MR-8MR-SB <sup>10*</sup>	SM803FR-8FR-SB <sup>10*</sup>
			UL2517, PVC	SM803MR-8MR-SD <sup>10*</sup>	SM803FR-8FR-SD <sup>10*</sup>
			UL20549, PUR	SM8S03MR-SMR-SB <sup>10*</sup>	SM8S03FR-SFR-SB <sup>10*</sup>
			UL2517, PVC	SM8S03MR-SMR-SD <sup>10*</sup>	SM8S03FR-SFR-SD <sup>10*</sup>



## M8 / Guided M8 Overmolded Cable


G8		M8		G8	
3		4		4	
A		A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
8AP-03BMMM-SL7B	8AP-03BFFM-SL7B	8P-04BMMM-SL7B	8P-04BFFM-SL7B	8AP-04BMMM-SL7B	8AP-04BFFM-SL7B
8AP-03BMMM-SL7D	8AP-03BFFM-SL7D	8P-04BMMM-SL7D	8P-04BFFM-SL7D	8AP-04BMMM-SL7D	8AP-04BFFM-SL7D
8AP-03AMMM-QL5B	8AP-03AFFM-QL5B	8P-04AMMM-QL5B	8P-04AFFM-QL5B	8AP-04AMMM-QL5B	8AP-04AFFM-QL5B
8AP-03AMMM-QL5D	8AP-03AFFM-QL5D	8P-04AMMM-QL5D	8P-04AFFM-QL5D	8AP-04AMMM-QL5D	8AP-04AFFM-QL5D
8A-03BMMM-SL7B	8A-03BFFM-SL7B	8-04BMMM-SL7B	8-04BFFM-SL7B	8A-04BMMM-SL7B	8A-04BFFM-SL7B
8A-03BMMM-SL7D	8A-03BFFM-SL7D	8-04BMMM-SL7D	8-04BFFM-SL7D	8A-04BMMM-SL7D	8A-04BFFM-SL7D
M8AS-03BMMM-SL7B	M8AS-03BFFM-SL7B	M8S-04BMMM-SL7B	M8S-04BFFM-SL7B	M8AS-04BMMM-SL7B	M8AS-04BFFM-SL7B
M8AS-03BMMM-SL7D	M8AS-03BFFM-SL7D	M8S-04BMMM-SL7D	M8S-04BFFM-SL7D	M8AS-04BMMM-SL7D	M8AS-04BFFM-SL7D
SM8A-03BMMM-SL7B	SM8A-03BFFM-SL7B	SM8-04BMMM-SL7B	SM8-04BFFM-SL7B	SM8A-04BMMM-SL7B	SM8A-04BFFM-SL7B
SM8A-03BMMM-SL7D	SM8A-03BFFM-SL7D	SM8-04BMMM-SL7D	SM8-04BFFM-SL7D	SM8A-04BMMM-SL7D	SM8A-04BFFM-SL7D
SM8AS-03BMMM-SL7B	SM8AS-03BFFM-SL7B	SM8S-04BMMM-SL7B	SM8S-04BFFM-SL7B	SM8AS-04BMMM-SL7B	SM8AS-04BFFM-SL7B
SM8AS-03BMMM-SL7D	SM8AS-03BFFM-SL7D	SM8S-04BMMM-SL7D	SM8S-04BFFM-SL7D	SM8AS-04BMMM-SL7D	SM8AS-04BFFM-SL7D
8AP-03BMMM-SR7B	8AP-03BFFM-SR7B	8P-04BMMM-SR7B	8P-04BFFM-SR7B	8AP-04BMMM-SR7B	8AP-04BFFM-SR7B
8AP-03BMMM-SR7D	8AP-03BFFM-SR7D	8P-04BMMM-SR7D	8P-04BFFM-SR7D	8AP-04BMMM-SR7D	8AP-04BFFM-SR7D
8A-03BMMM-SR7B	8A-03BFFM-SR7B	8-04BMMM-SR7B	8-04BFFM-SR7B	8A-04BMMM-SR7B	8A-04BFFM-SR7B
8A-03BMMM-SR7D	8A-03BFFM-SR7D	8-04BMMM-SR7D	8-04BFFM-SR7D	8A-04BMMM-SR7D	8A-04BFFM-SR7D
M8AS-03BMMM-SR7B	M8AS-03BFFM-SR7B	M8S-04BMMM-SR7B	M8S-04BFFM-SR7B	M8AS-04BMMM-SR7B	M8AS-04BFFM-SR7B
M8AS-03BMMM-SR7D	M8AS-03BFFM-SR7D	M8S-04BMMM-SR7D	M8S-04BFFM-SR7D	M8AS-04BMMM-SR7D	M8AS-04BFFM-SR7D
SM8A-03BMMM-SR7B	SM8A-03BFFM-SR7B	SM8-04BMMM-SR7B	SM8-04BFFM-SR7B	SM8A-04BMMM-SR7B	SM8A-04BFFM-SR7B
SM8A-03BMMM-SR7D	SM8A-03BFFM-SR7D	SM8-04BMMM-SR7D	SM8-04BFFM-SR7D	SM8A-04BMMM-SR7D	SM8A-04BFFM-SR7D
SM8AS-03BMMM-SR7B	SM8AS-03BFFM-SR7B	SM8S-04BMMM-SR7B	SM8S-04BFFM-SR7B	SM8AS-04BMMM-SR7B	SM8AS-04BFFM-SR7B
SM8AS-03BMMM-SR7D	SM8AS-03BFFM-SR7D	SM8S-04BMMM-SR7D	SM8S-04BFFM-SR7D	SM8AS-04BMMM-SR7D	SM8AS-04BFFM-SR7D
M8AP03ML-8APML-SB	M8AP03FL-8APFL-SB	M8P04ML-8PML-SB	M8P04FL-8PFL-SB	M8AP04ML-8APML-SB	M8AP04FL-8APFL-SB
M8AP03ML-8APML-SD	M8AP03FL-8APFL-SD	M8P04ML-8PML-SD	M8P04FL-8PFL-SD	M8AP04ML-8APML-SD	M8AP04FL-8APFL-SD
M8AP03ML-8APML-QB	M8AP03FL-8APFL-QB	M8P04ML-8PML-QB	M8P04FL-8PFL-QB	M8AP04ML-8APML-QB	M8AP04FL-8APFL-QB
M8AP03ML-8APML-QD	M8AP03FL-8APFL-QD	M8P04ML-8PML-QD	M8P04FL-8PFL-QD	M8AP04ML-8APML-QD	M8AP04FL-8APFL-QD
M8A03ML-8AML-SB	M8A03FL-8AFL-SB	M804ML-8ML-SB	M804FL-8FL-SB	M8A04ML-8AML-SB	M8A04FL-8AFL-SB
M8A03ML-8AML-SD	M8A03FL-8AFL-SD	M804ML-8ML-SD	M804FL-8FL-SD	M8A04ML-8AML-SD	M8A04FL-8AFL-SD
M8AS03ML-ASML-SB	M8AS03FL-ASFL-SB	M8S04ML-SML-SB	M8S04FL-SFL-SB	M8AS04ML-ASML-SB	M8AS04FL-ASFL-SB
M8AS03ML-ASML-SD	M8AS03FL-ASFL-SD	M8S04ML-SML-SD	M8S04FL-SFL-SD	M8AS04ML-ASML-SD	M8AS04FL-ASFL-SD
SM8A03ML-8AML-SB	SM8A03FL-8AFL-SB	SM804ML-8ML-SB	SM804FL-8FL-SB	SM8A04ML-8AML-SB	SM8A04FL-8AFL-SB
SM8A03ML-8AML-SD	SM8A03FL-8AFL-SD	SM804ML-8ML-SD	SM804FL-8FL-SD	SM8A04ML-8AML-SD	SM8A04FL-8AFL-SD
SM8AS03ML-ASML-SB	SM8AS03FL-ASFL-SB	SM8S04ML-SML-SB	SM8S04FL-SFL-SB	SM8AS04ML-ASML-SB	SM8AS04FL-ASFL-SB
SM8AS03ML-ASML-SD	SM8AS03FL-ASFL-SD	SM8S04ML-SML-SD	SM8S04FL-SFL-SD	SM8AS04ML-ASML-SD	SM8AS04FL-ASFL-SD
M8AP03ML-8APMR-SB	M8AP03FL-8APFR-SB	M8P04ML-8PMR-SB	M8P04FL-8PFR-SB	M8AP04ML-8APMR-SB	M8AP04FL-8APFR-SB
M8AP03ML-8APMR-SD	M8AP03FL-8APFR-SD	M8P04ML-8PMR-SD	M8P04FL-8PFR-SD	M8AP04ML-8APMR-SD	M8AP04FL-8APFR-SD
M8A03ML-8AMR-SB	M8A03FL-8AFR-SB	M804ML-8MR-SB	M804FL-8FR-SB	M8A04ML-8AMR-SB	M8A04FL-8AFR-SB
M8A03ML-8AMR-SD	M8A03FL-8AFR-SD	M804ML-8MR-SD	M804FL-8FR-SD	M8A04ML-8AMR-SD	M8A04FL-8AFR-SD
M8AS03ML-ASMR-SB	M8AS03FL-ASFR-SB	M8S04ML-SMR-SB	M8S04FL-SFR-SB	M8AS04ML-ASMR-SB	M8AS04FL-ASFR-SB
M8AS03ML-ASMR-SD	M8AS03FL-ASFR-SD	M8S04ML-SMR-SD	M8S04FL-SFR-SD	M8AS04ML-ASMR-SD	M8AS04FL-ASFR-SD
SM8A03ML-8AMR-SB	SM8A03FL-8AFR-SB	SM804ML-8MR-SB	SM804FL-8FR-SB	SM8A04ML-8AMR-SB	SM8A04FL-8AFR-SB
SM8A03ML-8AMR-SD	SM8A03FL-8AFR-SD	SM804ML-8MR-SD	SM804FL-8FR-SD	SM8A04ML-8AMR-SD	SM8A04FL-8AFR-SD
SM8AS03ML-ASMR-SB	SM8AS03FL-ASFR-SB	SM8S04ML-SMR-SB	SM8S04FL-SFR-SB	SM8AS04ML-ASMR-SB	SM8AS04FL-ASFR-SB
SM8AS03ML-ASMR-SD	SM8AS03FL-ASFR-SD	SM8S04ML-SMR-SD	SM8S04FL-SFR-SD	SM8AS04ML-ASMR-SD	SM8AS04FL-ASFR-SD
M8AP03MR-8APMR-SB	M8AP03FR-8APFR-SB	M8P04MR-8PMR-SB	M8P04FR-8PFR-SB	M8AP04MR-8APMR-SB	M8AP04FR-8APFR-SB
M8AP03MR-8APMR-SD	M8AP03FR-8APFR-SD	M8P04MR-8PMR-SD	M8P04FR-8PFR-SD	M8AP04MR-8APMR-SD	M8AP04FR-8APFR-SD
M8A03MR-8AMR-SB	M8A03FR-8AFR-SB	M804MR-8MR-SB	M804FR-8FR-SB	M8A04MR-8AMR-SB	M8A04FR-8AFR-SB
M8A03MR-8AMR-SD	M8A03FR-8AFR-SD	M804MR-8MR-SD	M804FR-8FR-SD	M8A04MR-8AMR-SD	M8A04FR-8AFR-SD
M8AS03MR-ASMR-SB	M8AS03FR-ASFR-SB	M8S04MR-SMR-SB	M8S04FR-SFR-SB	M8AS04MR-ASMR-SB	M8AS04FR-ASFR-SB
M8AS03MR-ASMR-SD	M8AS03FR-ASFR-SD	M8S04MR-SMR-SD	M8S04FR-SFR-SD	M8AS04MR-ASMR-SD	M8AS04FR-ASFR-SD
SM8A03MR-8AMR-SB	SM8A03FR-8AFR-SB	SM804MR-8MR-SB	SM804FR-8FR-SB	SM8A04MR-8AMR-SB	SM8A04FR-8AFR-SB
SM8A03MR-8AMR-SD	SM8A03FR-8AFR-SD	SM804MR-8MR-SD	SM804FR-8FR-SD	SM8A04MR-8AMR-SD	SM8A04FR-8AFR-SD
SM8AS03MR-ASMR-SB	SM8AS03FR-ASFR-SB	SM8S04MR-SMR-SB	SM8S04FR-SFR-SB	SM8AS04MR-ASMR-SB	SM8AS04FR-ASFR-SB
SM8AS03MR-ASMR-SD	SM8AS03FR-ASFR-SD	SM8S04MR-SMR-SD	SM8S04FR-SFR-SD	SM8AS04MR-ASMR-SD	SM8AS04FR-ASFR-SD

# M8 / Guided M8 Overmolded Cable

Number of Contacts	M8	
Coding	4	
Rated Voltage (AC/DC)	D	
Nominal current	50V (AC) / 60V (DC)	
Pin Assignment	4A	
MM: Male Connector Male Contact FF: Female Connector Female Contact	MM	FF
		



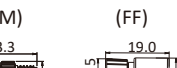
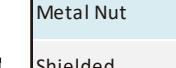
## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8DP-04BMMM-SL7B 10*	M8DP-04BFFM-SL7B 10*
		Plastic (Snap-in, IP65)	UL2517, PVC	M8DP-04BMMM-SL7D 10*	M8DP-04BFFM-SL7D 10*
(MM, Plastic/3 & 4 pin)	(FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	M8DP-04AMMM-QL5B 10*	M8DP-04AFFM-QL5B 10*
		Shielded	UL2517, PVC	M8DP-04AMMM-QL5D 10*	M8DP-04AFFM-QL5D 10*
(MM, Shielded)	(FF, Shielded)	Stainless	UL20549, PUR	M8D-04BMMM-SL7B 10*	M8D-04BFFM-SL7B 10*
		Stainless Shielded	UL2517, PVC	M8DS-04BMMM-SL7B 10*	M8DS-04BFFM-SL7B 10*
			UL20549, PUR	SM8D-04BMMM-SL7B 10*	SM8D-04BFFM-SL7B 10*
			UL2517, PVC	SM8D-04BMMM-SL7D 10*	SM8D-04BFFM-SL7D 10*
			UL20549, PUR	SM8DS-04BMMM-SL7B 10*	SM8DS-04BFFM-SL7B 10*
			UL2517, PVC	SM8DS-04BMMM-SL7D 10*	SM8DS-04BFFM-SL7D 10*

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(Plastic/Metal)	(Shielded)	Plastic	UL20549, PUR	M8DP-04BMMM-SR7B 10*	M8DP-04BFFM-SR7B 10*
(MM)	(FF)	Metal Nut	UL2517, PVC	M8DP-04BMMM-SR7D 10*	M8DP-04BFFM-SR7D 10*
		Shielded	UL20549, PUR	M8D-04BMMM-SR7B 10*	M8D-04BFFM-SR7B 10*
		Stainless	UL2517, PVC	M8D-04BMMM-SR7D 10*	M8D-04BFFM-SR7D 10*
		Stainless Shielded	UL20549, PUR	M8DS-04BMMM-SR7B 10*	M8DS-04BFFM-SR7B 10*
			UL2517, PVC	SM8D-04BMMM-SR7B 10*	SM8D-04BFFM-SR7B 10*
			UL20549, PUR	SM8D-04BMMM-SR7D 10*	SM8D-04BFFM-SR7D 10*
			UL2517, PVC	SM8DS-04BMMM-SR7B 10*	SM8DS-04BFFM-SR7B 10*
			UL20549, PUR	SM8DS-04BMMM-SR7D 10*	SM8DS-04BFFM-SR7D 10*

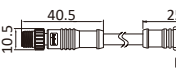
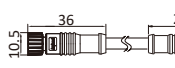
## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8DP04ML-8PML-SB 10*	M8DP04FL-8PFL-SB 10*
		Plastic (Snap-in, IP65)	UL2517, PVC	M8DP04ML-8PML-SD 10*	M8DP04FL-8PFL-SD 10*
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	M8DP04ML-8PML-QB 10*	M8DP04FL-8PFL-QB 10*
		Shielded	UL2517, PVC	M8DP04ML-8PML-QD 10*	M8DP04FL-8PFL-QD 10*
		Stainless	UL20549, PUR	M8D04ML-8ML-SB 10*	M8D04FL-8FL-SB 10*
		Stainless Shielded	UL2517, PVC	M8D04ML-8ML-SD 10*	M8D04FL-8FL-SD 10*
			UL20549, PUR	M8DS04ML-SML-SB 10*	M8DS04FL-SFL-SB 10*
			UL2517, PVC	M8DS04ML-SML-SD 10*	M8DS04FL-SFL-SD 10*
			UL20549, PUR	SM8D04ML-8ML-SB 10*	SM8D04FL-8FL-SB 10*
			UL2517, PVC	SM8D04ML-8ML-SD 10*	SM8D04FL-8FL-SD 10*
			UL20549, PUR	SM8DS04ML-SML-SB 10*	SM8DS04FL-SFL-SB 10*
			UL2517, PVC	SM8DS04ML-SML-SD 10*	SM8DS04FL-SFL-SD 10*

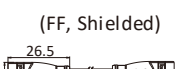
## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8DP04ML-8PML-SB 10*	M8DP04FL-8PFL-SB 10*
		Metal Nut	UL2517, PVC	M8DP04ML-8PML-SD 10*	M8DP04FL-8PFL-SD 10*
(MM, Shielded)	(FF, Shielded)	Shielded	UL20549, PUR	M8D04ML-8ML-SB 10*	M8D04FL-8FL-SB 10*
		Stainless	UL2517, PVC	M8D04ML-8ML-SD 10*	M8D04FL-8FL-SD 10*
		Stainless Shielded	UL20549, PUR	M8DS04ML-SML-SB 10*	M8DS04FL-SFL-SB 10*
			UL2517, PVC	M8DS04ML-SML-SD 10*	M8DS04FL-SFL-SD 10*
			UL20549, PUR	SM8D04ML-8ML-SB 10*	SM8D04FL-8FL-SB 10*
			UL2517, PVC	SM8D04ML-8ML-SD 10*	SM8D04FL-8FL-SD 10*
			UL20549, PUR	SM8DS04ML-SML-SB 10*	SM8DS04FL-SFL-SB 10*
			UL2517, PVC	SM8DS04ML-SML-SD 10*	SM8DS04FL-SFL-SD 10*




## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	M8DP04MR-8PML-SB 10*	M8DP04FR-8PFL-SB 10*
		Metal Nut	UL2517, PVC	M8DP04MR-8PML-SD 10*	M8DP04FR-8PFL-SD 10*
(MM, Shielded)	(FF, Shielded)	Shielded	UL20549, PUR	M8D04MR-8ML-SB 10*	M8D04FR-8FL-SB 10*
		Stainless	UL2517, PVC	M8D04MR-8ML-SD 10*	M8D04FR-8FL-SD 10*
		Stainless Shielded	UL20549, PUR	M8DS04MR-SML-SB 10*	M8DS04FR-SFL-SB 10*
			UL2517, PVC	M8DS04MR-SML-SD 10*	M8DS04FR-SFL-SD 10*
			UL20549, PUR	SM8D04MR-8ML-SB 10*	SM8D04FR-8FL-SB 10*
			UL2517, PVC	SM8D04MR-8ML-SD 10*	SM8D04FR-8FL-SD 10*
			UL20549, PUR	SM8DS04MR-SML-SB 10*	SM8DS04FR-SFL-SB 10*
			UL2517, PVC	SM8DS04MR-SML-SD 10*	SM8DS04FR-SFL-SD 10*

\* Upon Request <sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 Overmolded Cable

G8		M8		G8	
5		5		5 (3+2)	
A		B		H	
30V		30V		30V	
2A		3A		3A+1.5A	
MM	FF	MM	FF	MM	FF
					
8AP-05BMMM-SL7B <sup>10*</sup>	8AP-05BFFM-SL7B <sup>10*</sup>	8BP-05BMMM-SL7B <sup>10*</sup>	8BP-05BFFM-SL7B <sup>10*</sup>	8HP-05BMMM-SL7B <sup>10*</sup>	8HP-05BFFM-SL7B <sup>10*</sup>
8AP-05BMMM-SL7D <sup>10*</sup>	8AP-05BFFM-SL7D <sup>10*</sup>	8BP-05BMMM-SL7D <sup>10*</sup>	8BP-05BFFM-SL7D <sup>10*</sup>	8HP-05BMMM-SL7D <sup>10*</sup>	8HP-05BFFM-SL7D <sup>10*</sup>
8AP-05A MMM-QL5B <sup>10*</sup>	8AP-05AFFM-QL5B <sup>10*</sup>	8BP-05A MMM-QL5B <sup>10*</sup>	8BP-05AFFM-QL5B <sup>10*</sup>	8HP-05A MMM-QL5B <sup>10*</sup>	8HP-05AFFM-QL5B <sup>10*</sup>
8AP-05A MMM-QL5D <sup>10*</sup>	8AP-05AFFM-QL5D <sup>10*</sup>	8BP-05A MMM-QL5D <sup>10*</sup>	8BP-05AFFM-QL5D <sup>10*</sup>	8HP-05A MMM-QL5D <sup>10*</sup>	8HP-05AFFM-QL5D <sup>10*</sup>
8A-05BMMM-SL7B <sup>10*</sup>	8A-05BFFM-SL7B <sup>10*</sup>	8B-05BMMM-SL7B <sup>10*</sup>	8B-05BFFM-SL7B <sup>10*</sup>	8H-05BMMM-SL7B <sup>10*</sup>	8H-05BFFM-SL7B <sup>10*</sup>
8A-05BMMM-SL7D <sup>10*</sup>	8A-05BFFM-SL7D <sup>10*</sup>	8B-05BMMM-SL7D <sup>10*</sup>	8B-05BFFM-SL7D <sup>10*</sup>	8H-05BMMM-SL7D <sup>10*</sup>	8H-05BFFM-SL7D <sup>10*</sup>
M8AS-05BMMM-SL7B <sup>10*</sup>	M8AS-05BFFM-SL7B <sup>10*</sup>	M8BS-05BMMM-SL7B <sup>10*</sup>	M8BS-05BFFM-SL7B <sup>10*</sup>	M8HS-05BMMM-SL7B <sup>10*</sup>	M8HS-05BFFM-SL7B <sup>10*</sup>
M8AS-05BMMM-SL7D <sup>10*</sup>	M8AS-05BFFM-SL7D <sup>10*</sup>	M8BS-05BMMM-SL7D <sup>10*</sup>	M8BS-05BFFM-SL7D <sup>10*</sup>	M8HS-05BMMM-SL7D <sup>10*</sup>	M8HS-05BFFM-SL7D <sup>10*</sup>
SM8A-05BMMM-SL7B <sup>10*</sup>	SM8A-05BFFM-SL7B <sup>10*</sup>	SM8B-05BMMM-SL7B <sup>10*</sup>	SM8B-05BFFM-SL7B <sup>10*</sup>	SM8H-05BMMM-SL7B <sup>10*</sup>	SM8H-05BFFM-SL7B <sup>10*</sup>
SM8A-05BMMM-SL7D <sup>10*</sup>	SM8A-05BFFM-SL7D <sup>10*</sup>	SM8B-05BMMM-SL7D <sup>10*</sup>	SM8B-05BFFM-SL7D <sup>10*</sup>	SM8H-05BMMM-SL7D <sup>10*</sup>	SM8H-05BFFM-SL7D <sup>10*</sup>
SM8AS-05BMMM-SL7B <sup>10*</sup>	SM8AS-05BFFM-SL7B <sup>10*</sup>	SM8BS-05BMMM-SL7B <sup>10*</sup>	SM8BS-05BFFM-SL7B <sup>10*</sup>	SM8HS-05BMMM-SL7B <sup>10*</sup>	SM8HS-05BFFM-SL7B <sup>10*</sup>
SM8AS-05BMMM-SL7D <sup>10*</sup>	SM8AS-05BFFM-SL7D <sup>10*</sup>	SM8BS-05BMMM-SL7D <sup>10*</sup>	SM8BS-05BFFM-SL7D <sup>10*</sup>	SM8HS-05BMMM-SL7D <sup>10*</sup>	SM8HS-05BFFM-SL7D <sup>10*</sup>
8AP-05BMMM-SR7B <sup>10*</sup>	8AP-05BFFM-SR7B <sup>10*</sup>	8BP-05BMMM-SR7B <sup>10*</sup>	8BP-05BFFM-SR7B <sup>10*</sup>	8HP-05BMMM-SR7B <sup>10*</sup>	8HP-05BFFM-SR7B <sup>10*</sup>
8AP-05BMMM-SR7D <sup>10*</sup>	8AP-05BFFM-SR7D <sup>10*</sup>	8BP-05BMMM-SR7D <sup>10*</sup>	8BP-05BFFM-SR7D <sup>10*</sup>	8HP-05BMMM-SR7D <sup>10*</sup>	8HP-05BFFM-SR7D <sup>10*</sup>
8A-05BMMM-SR7B <sup>10*</sup>	8A-05BFFM-SR7B <sup>10*</sup>	8B-05BMMM-SR7B <sup>10*</sup>	8B-05BFFM-SR7B <sup>10*</sup>	8H-05BMMM-SR7B <sup>10*</sup>	8H-05BFFM-SR7B <sup>10*</sup>
8A-05BMMM-SR7D <sup>10*</sup>	8A-05BFFM-SR7D <sup>10*</sup>	8B-05BMMM-SR7D <sup>10*</sup>	8B-05BFFM-SR7D <sup>10*</sup>	8H-05BMMM-SR7D <sup>10*</sup>	8H-05BFFM-SR7D <sup>10*</sup>
M8AS-05BMMM-SR7B <sup>10*</sup>	M8AS-05BFFM-SR7B <sup>10*</sup>	M8BS-05BMMM-SR7B <sup>10*</sup>	M8BS-05BFFM-SR7B <sup>10*</sup>	M8HS-05BMMM-SR7B <sup>10*</sup>	M8HS-05BFFM-SR7B <sup>10*</sup>
M8AS-05BMMM-SR7D <sup>10*</sup>	M8AS-05BFFM-SR7D <sup>10*</sup>	M8BS-05BMMM-SR7D <sup>10*</sup>	M8BS-05BFFM-SR7D <sup>10*</sup>	M8HS-05BMMM-SR7D <sup>10*</sup>	M8HS-05BFFM-SR7D <sup>10*</sup>
SM8A-05BMMM-SR7B <sup>10*</sup>	SM8A-05BFFM-SR7B <sup>10*</sup>	SM8B-05BMMM-SR7B <sup>10*</sup>	SM8B-05BFFM-SR7B <sup>10*</sup>	SM8H-05BMMM-SR7B <sup>10*</sup>	SM8H-05BFFM-SR7B <sup>10*</sup>
SM8A-05BMMM-SR7D <sup>10*</sup>	SM8A-05BFFM-SR7D <sup>10*</sup>	SM8B-05BMMM-SR7D <sup>10*</sup>	SM8B-05BFFM-SR7D <sup>10*</sup>	SM8H-05BMMM-SR7D <sup>10*</sup>	SM8H-05BFFM-SR7D <sup>10*</sup>
SM8AS-05BMMM-SR7B <sup>10*</sup>	SM8AS-05BFFM-SR7B <sup>10*</sup>	SM8BS-05BMMM-SR7B <sup>10*</sup>	SM8BS-05BFFM-SR7B <sup>10*</sup>	SM8HS-05BMMM-SR7B <sup>10*</sup>	SM8HS-05BFFM-SR7B <sup>10*</sup>
SM8AS-05BMMM-SR7D <sup>10*</sup>	SM8AS-05BFFM-SR7D <sup>10*</sup>	SM8BS-05BMMM-SR7D <sup>10*</sup>	SM8BS-05BFFM-SR7D <sup>10*</sup>	SM8HS-05BMMM-SR7D <sup>10*</sup>	SM8HS-05BFFM-SR7D <sup>10*</sup>
M8AP05ML-8APML-SB <sup>10*</sup>	M8AP05FL-8APFL-SB <sup>10*</sup>	M8P05ML-8PML-SB <sup>10*</sup>	M8P05FL-8PFL-SB <sup>10*</sup>	M8HP05ML-8PML-SB <sup>10*</sup>	M8HP05FL-8PFL-SB <sup>10*</sup>
M8AP05ML-8APML-SD <sup>10*</sup>	M8AP05FL-8APFL-SD <sup>10*</sup>	M8P05ML-8PML-SD <sup>10*</sup>	M8P05FL-8PFL-SD <sup>10*</sup>	M8HP05ML-8PML-SD <sup>10*</sup>	M8HP05FL-8PFL-SD <sup>10*</sup>
M8AP05ML-8APML-QB <sup>10*</sup>	M8AP05FL-8APFL-QB <sup>10*</sup>	M8P05ML-8PML-QB <sup>10*</sup>	M8P05FL-8PFL-QB <sup>10*</sup>	M8HP05ML-8PML-QB <sup>10*</sup>	M8HP05FL-8PFL-QB <sup>10*</sup>
M8AP05ML-8APML-QD <sup>10*</sup>	M8AP05FL-8APFL-QD <sup>10*</sup>	M8P05ML-8PML-QD <sup>10*</sup>	M8P05FL-8PFL-QD <sup>10*</sup>	M8HP05ML-8PML-QD <sup>10*</sup>	M8HP05FL-8PFL-QD <sup>10*</sup>
M8A05ML-8AML-SB <sup>10*</sup>	M8A05FL-8AFL-SB <sup>10*</sup>	M805ML-8ML-SB <sup>10*</sup>	M805FL-8FL-SB <sup>10*</sup>	M8H05ML-8ML-SB <sup>10*</sup>	M8H05FL-8FL-SB <sup>10*</sup>
M8A05ML-8AML-SD <sup>10*</sup>	M8A05FL-8AFL-SD <sup>10*</sup>	M805ML-8ML-SD <sup>10*</sup>	M805FL-8FL-SD <sup>10*</sup>	M8H05ML-8ML-SD <sup>10*</sup>	M8H05FL-8FL-SD <sup>10*</sup>
M8AS05ML-ASML-SB <sup>10*</sup>	M8AS05FL-ASFL-SB <sup>10*</sup>	M8S05ML-SML-SB <sup>10*</sup>	M8S05FL-SFL-SB <sup>10*</sup>	M8HS05ML-SML-SB <sup>10*</sup>	M8HS05FL-SFL-SB <sup>10*</sup>
M8AS05ML-ASML-SD <sup>10*</sup>	M8AS05FL-ASFL-SD <sup>10*</sup>	M8S05ML-SML-SD <sup>10*</sup>	M8S05FL-SFL-SD <sup>10*</sup>	M8HS05ML-SML-SD <sup>10*</sup>	M8HS05FL-SFL-SD <sup>10*</sup>
SM8A05ML-8AML-SB <sup>10*</sup>	SM8A05FL-8AFL-SB <sup>10*</sup>	SM805ML-8ML-SB <sup>10*</sup>	SM805FL-8FL-SB <sup>10*</sup>	SM8H05ML-8ML-SB <sup>10*</sup>	SM8H05FL-8FL-SB <sup>10*</sup>
SM8A05ML-8AML-SD <sup>10*</sup>	SM8A05FL-8AFL-SD <sup>10*</sup>	SM805ML-8ML-SD <sup>10*</sup>	SM805FL-8FL-SD <sup>10*</sup>	SM8H05ML-8ML-SD <sup>10*</sup>	SM8H05FL-8FL-SD <sup>10*</sup>
SM8AS05ML-ASML-SB <sup>10*</sup>	SM8AS05FL-ASFL-SB <sup>10*</sup>	SM8S05ML-SML-SB <sup>10*</sup>	SM8S05FL-SFL-SB <sup>10*</sup>	SM8HS05ML-SML-SB <sup>10*</sup>	SM8HS05FL-SFL-SB <sup>10*</sup>
SM8AS05ML-ASML-SD <sup>10*</sup>	SM8AS05FL-ASFL-SD <sup>10*</sup>	SM8S05ML-SML-SD <sup>10*</sup>	SM8S05FL-SFL-SD <sup>10*</sup>	SM8HS05ML-SML-SD <sup>10*</sup>	SM8HS05FL-SFL-SD <sup>10*</sup>
M8AP05ML-8APMR-SB <sup>10*</sup>	M8AP05FL-8APFR-SB <sup>10*</sup>	M8P05ML-8PMR-SB <sup>10*</sup>	M8P05FL-8PFR-SB <sup>10*</sup>	M8HP05ML-8PMR-SB <sup>10*</sup>	M8HP05FL-8PFR-SB <sup>10*</sup>
M8AP05ML-8APMR-SD <sup>10*</sup>	M8AP05FL-8APFR-SD <sup>10*</sup>	M8P05ML-8PMR-SD <sup>10*</sup>	M8P05FL-8PFR-SD <sup>10*</sup>	M8HP05ML-8PMR-SD <sup>10*</sup>	M8HP05FL-8PFR-SD <sup>10*</sup>
M8A05ML-8AMR-SB <sup>10*</sup>	M8A05FL-8AFR-SB <sup>10*</sup>	M805ML-8MR-SB <sup>10*</sup>	M805FL-8FR-SB <sup>10*</sup>	M8H05ML-8MR-SB <sup>10*</sup>	M8H05FL-8FR-SB <sup>10*</sup>
M8A05ML-8AMR-SD <sup>10*</sup>	M8A05FL-8AFR-SD <sup>10*</sup>	M805ML-8MR-SD <sup>10*</sup>	M805FL-8FR-SD <sup>10*</sup>	M8H05ML-8MR-SD <sup>10*</sup>	M8H05FL-8FR-SD <sup>10*</sup>
M8AS05ML-ASMR-SB <sup>10*</sup>	M8AS05FL-ASFR-SB <sup>10*</sup>	M8S05ML-SMR-SB <sup>10*</sup>	M8S05FL-SFR-SB <sup>10*</sup>	M8HS05ML-SMR-SB <sup>10*</sup>	M8HS05FL-SFR-SB <sup>10*</sup>
M8AS05ML-ASMR-SD <sup>10*</sup>	M8AS05FL-ASFR-SD <sup>10*</sup>	M8S05ML-SMR-SD <sup>10*</sup>	M8S05FL-SFR-SD <sup>10*</sup>	M8HS05ML-SMR-SD <sup>10*</sup>	M8HS05FL-SFR-SD <sup>10*</sup>
SM8A05ML-8AMR-SB <sup>10*</sup>	SM8A05FL-8AFR-SB <sup>10*</sup>	SM805ML-8MR-SB <sup>10*</sup>	SM805FL-8FR-SB <sup>10*</sup>	SM8H05ML-8MR-SB <sup>10*</sup>	SM8H05FL-8FR-SB <sup>10*</sup>
SM8A05ML-8AMR-SD <sup>10*</sup>	SM8A05FL-8AFR-SD <sup>10*</sup>	SM805ML-8MR-SD <sup>10*</sup>	SM805FL-8FR-SD <sup>10*</sup>	SM8H05ML-8MR-SD <sup>10*</sup>	SM8H05FL-8FR-SD <sup>10*</sup>
SM8AS05ML-ASMR-SB <sup>10*</sup>	SM8AS05FL-ASFR-SB <sup>10*</sup>	SM8S05ML-SMR-SB <sup>10*</sup>	SM8S05FL-SFR-SB <sup>10*</sup>	SM8HS05ML-SMR-SB <sup>10*</sup>	SM8HS05FL-SFR-SB <sup>10*</sup>
SM8AS05ML-ASMR-SD <sup>10*</sup>	SM8AS05FL-ASFR-SD <sup>10*</sup>	SM8S05ML-SMR-SD <sup>10*</sup>	SM8S05FL-SFR-SD <sup>10*</sup>	SM8HS05ML-SMR-SD <sup>10*</sup>	SM8HS05FL-SFR-SD <sup>10*</sup>
M8AP05MR-8APMR-SB <sup>10*</sup>	M8AP05FR-8APFR-SB <sup>10*</sup>	M8P05MR-8PMR-SB <sup>10*</sup>	M8P05FR-8PFR-SB <sup>10*</sup>	M8HP05MR-8PMR-SB <sup>10*</sup>	M8HP05FR-8PFR-SB <sup>10*</sup>
M8AP05MR-8APMR-SD <sup>10*</sup>	M8AP05FR-8APFR-SD <sup>10*</sup>	M8P05MR-8PMR-SD <sup>10*</sup>	M8P05FR-8PFR-SD <sup>10*</sup>	M8HP05MR-8PMR-SD <sup>10*</sup>	M8HP05FR-8PFR-SD <sup>10*</sup>
M8A05MR-8AMR-SB <sup>10*</sup>	M8A05FR-8AFR-SB <sup>10*</sup>	M805MR-8MR-SB <sup>10*</sup>	M805FR-8FR-SB <sup>10*</sup>	M8H05MR-8MR-SB <sup>10*</sup>	M8H05FR-8FR-SB <sup>10*</sup>
M8A05MR-8AMR-SD <sup>10*</sup>	M8A05FR-8AFR-SD <sup>10*</sup>	M805MR-8MR-SD <sup>10*</sup>	M805FR-8FR-SD <sup>10*</sup>	M8H05MR-8MR-SD <sup>10*</sup>	M8H05FR-8FR-SD <sup>10*</sup>
M8AS05MR-ASMR-SB <sup>10*</sup>	M8AS05FR-ASFR-SB <sup>10*</sup>	M8S05MR-SMR-SB <sup>10*</sup>	M8S05FR-SFR-SB <sup>10*</sup>	M8HS05MR-SMR-SB <sup>10*</sup>	M8HS05FR-SFR-SB <sup>10*</sup>
M8AS05MR-ASMR-SD <sup>10*</sup>	M8AS05FR-ASFR-SD <sup>10*</sup>	M8S05MR-SMR-SD <sup>10*</sup>	M8S05FR-SFR-SD <sup>10*</sup>	M8HS05MR-SMR-SD <sup>10*</sup>	M8HS05FR-SFR-SD <sup>10*</sup>
SM8A05MR-8AMR-SB <sup>10*</sup>	SM8A05FR-8AFR-SB <sup>10*</sup>	SM805MR-8MR-SB <sup>10*</sup>	SM805FR-8FR-SB <sup>10*</sup>	SM8H05MR-8MR-SB <sup>10*</sup>	SM8H05FR-8FR-SB <sup>10*</sup>
SM8A05MR-8AMR-SD <sup>10*</sup>	SM8A05FR-8AFR-SD <sup>10*</sup>	SM805MR-8MR-SD <sup>10*</sup>	SM805FR-8FR-SD <sup>10*</sup>	SM8H05MR-8MR-SD <sup>10*</sup>	SM8H05FR-8FR-SD <sup>10*</sup>
SM8AS05MR-ASMR-SB <sup>10*</sup>	SM8AS05FR-ASFR-SB <sup>10*</sup>	SM8S05MR-SMR-SB <sup>10*</sup>	SM8S05FR-SFR-SB <sup>10*</sup>	SM8HS05MR-SMR-SB <sup>10*</sup>	SM8HS05FR-SFR-SB <sup>10*</sup>
SM8AS05MR-ASMR-SD <sup>10*</sup>	SM8AS05FR-ASFR-SD <sup>10*</sup>	SM8S05MR-SMR-SD <sup>10*</sup>	SM8S05FR-SFR-SD <sup>10*</sup>	SM8HS05MR-SMR-SD <sup>10*</sup>	SM8HS05FR-SFR-SD <sup>10*</sup>



# M8 / Guided M8 Overmolded Cable

Number of Contacts	M8	
Coding	A	
Rated Voltage (AC/DC)	30V	
Nominal current	1.5A	
Pin Assignment	MM	FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact		

## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67

<sup>10</sup> Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

 (MM, Plastic/Metal)	 (FF, Plastic/Metal)	Plastic	UL20549, PUR	8P-06BMMM-SL7B <sup>10</sup> *	8P-06BFFM-SL7B <sup>10</sup> *
		Plastic (Snap-in, IP65)	UL2517, PVC	8P-06BMMM-SL7D <sup>10</sup> *	8P-06BFFM-SL7D <sup>10</sup> *
 (MM, Plastic/3 & 4 pin)	 (FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	8P-06AMMM-QL5B <sup>10</sup> *	8P-06AFFM-QL5B <sup>10</sup> *
			UL2517, PVC	8P-06AMMM-QL5D <sup>10</sup> *	8P-06AFFM-QL5D <sup>10</sup> *
 (MM, Shielded)	 (FF, Shielded)	Shielded	UL20549, PUR	8-06BMMM-SL7B <sup>10</sup> *	8-06BFFM-SL7B <sup>10</sup> *
			UL2517, PVC	8-06BMMM-SL7D <sup>10</sup> *	8-06BFFM-SL7D <sup>10</sup> *
		Stainless	UL20549, PUR	M8S-06BMMM-SL7B <sup>10</sup> *	M8S-06BFFM-SL7B <sup>10</sup> *
			UL2517, PVC	M8S-06BMMM-SL7D <sup>10</sup> *	M8S-06BFFM-SL7D <sup>10</sup> *
		Stainless Shielded	UL20549, PUR	SM8S-06BMMM-SL7B <sup>10</sup> *	SM8S-06BFFM-SL7B <sup>10</sup> *
			UL2517, PVC	SM8S-06BMMM-SL7D <sup>10</sup> *	SM8S-06BFFM-SL7D <sup>10</sup> *

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67

<sup>10</sup> Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

 (Plastic/Metal)	 (Shielded)	Plastic	UL20549, PUR	8P-06BMMM-SR7B <sup>10</sup> *	8P-06BFFM-SR7B <sup>10</sup> *
			UL2517, PVC	8P-06BMMM-SR7D <sup>10</sup> *	8P-06BFFM-SR7D <sup>10</sup> *
 (MM)	 (FF)	Metal Nut	UL20549, PUR	8-06BMMM-SR7B <sup>10</sup> *	8-06BFFM-SR7B <sup>10</sup> *
			UL2517, PVC	8-06BMMM-SR7D <sup>10</sup> *	8-06BFFM-SR7D <sup>10</sup> *
 (MM)	 (FF)	Shielded	UL20549, PUR	M8S-06BMMM-SR7B <sup>10</sup> *	M8S-06BFFM-SR7B <sup>10</sup> *
			UL2517, PVC	M8S-06BMMM-SR7D <sup>10</sup> *	M8S-06BFFM-SR7D <sup>10</sup> *
		Stainless	UL20549, PUR	SM8-06BMMM-SR7B <sup>10</sup> *	SM8-06BFFM-SR7B <sup>10</sup> *
			UL2517, PVC	SM8-06BMMM-SR7D <sup>10</sup> *	SM8-06BFFM-SR7D <sup>10</sup> *
		Stainless Shielded	UL20549, PUR	SM8S-06BMMM-SR7B <sup>10</sup> *	SM8S-06BFFM-SR7B <sup>10</sup> *
			UL2517, PVC	SM8S-06BMMM-SR7D <sup>10</sup> *	SM8S-06BFFM-SR7D <sup>10</sup> *

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

 (MM, Plastic/Metal)	 (FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P06ML-8PML-SB <sup>10</sup> *	M8P06FL-8PFL-SB <sup>10</sup> *
			UL2517, PVC	M8P06ML-8PML-SD <sup>10</sup> *	M8P06FL-8PFL-SD <sup>10</sup> *
		Plastic (Snap-in, IP65)	UL20549, PUR	M8P06ML-8PML-QB <sup>10</sup> *	M8P06FL-8PFL-QB <sup>10</sup> *
			UL2517, PVC	M8P06ML-8PML-QD <sup>10</sup> *	M8P06FL-8PFL-QD <sup>10</sup> *
		Metal Nut	UL20549, PUR	M806ML-8ML-SB <sup>10</sup> *	M806FL-8FL-SB <sup>10</sup> *
			UL2517, PVC	M806ML-8ML-SD <sup>10</sup> *	M806FL-8FL-SD <sup>10</sup> *
 (MM, Shielded)	 (FF, Shielded)	Shielded	UL20549, PUR	M8S06ML-SML-SB <sup>10</sup> *	M8S06FL-SFL-SB <sup>10</sup> *
			UL2517, PVC	M8S06ML-SML-SD <sup>10</sup> *	M8S06FL-SFL-SD <sup>10</sup> *
		Stainless	UL20549, PUR	SM806ML-8ML-SB <sup>10</sup> *	SM806FL-8FL-SB <sup>10</sup> *
			UL2517, PVC	SM806ML-8ML-SD <sup>10</sup> *	SM806FL-8FL-SD <sup>10</sup> *
		Stainless Shielded	UL20549, PUR	SM8S06ML-SML-SB <sup>10</sup> *	SM8S06FL-SFL-SB <sup>10</sup> *
			UL2517, PVC	SM8S06ML-SML-SD <sup>10</sup> *	SM8S06FL-SFL-SD <sup>10</sup> *

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

 (MM, Plastic/Metal)	 (FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P06ML-8PMR-SB <sup>10</sup> *	M8P06FL-8PFR-SB <sup>10</sup> *
			UL2517, PVC	M8P06ML-8PMR-SD <sup>10</sup> *	M8P06FL-8PFR-SD <sup>10</sup> *
		Metal Nut	UL20549, PUR	M806ML-8MR-SB <sup>10</sup> *	M806FL-8FR-SB <sup>10</sup> *
			UL2517, PVC	M806ML-8MR-SD <sup>10</sup> *	M806FL-8FR-SD <sup>10</sup> *
		Shielded	UL20549, PUR	M8S06ML-SMR-SB <sup>10</sup> *	M8S06FL-SFR-SB <sup>10</sup> *
			UL2517, PVC	M8S06ML-SMR-SD <sup>10</sup> *	M8S06FL-SFR-SD <sup>10</sup> *
 (MM, Shielded)	 (FF, Shielded)	Stainless	UL20549, PUR	SM806ML-8MR-SB <sup>10</sup> *	SM806FL-8FR-SB <sup>10</sup> *
			UL2517, PVC	SM806ML-8MR-SD <sup>10</sup> *	SM806FL-8FR-SD <sup>10</sup> *
		Stainless Shielded	UL20549, PUR	SM8S06ML-SMR-SB <sup>10</sup> *	SM8S06FL-SFR-SB <sup>10</sup> *
			UL2517, PVC	SM8S06ML-SMR-SD <sup>10</sup> *	SM8S06FL-SFR-SD <sup>10</sup> *























































































































































































































































































## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF


 (MM, Plastic/Metal)	 (FF, Plastic/Metal)	Plastic	UL20549, PUR	M8P06MR-8PMR-SB <sup>10</sup> *	M8P06FR-8PFR-SB <sup>10</sup> *
			UL2517, PVC	M8P06MR-8PMR-SD <sup>10</sup> *	M8P06FR-8PFR-SD <sup>10</sup> *
		Metal Nut	UL20549, PUR	M806MR-8MR-SB <sup>10</sup> *	M806FR-8FR-SB <sup>10</sup> *
			UL2517, PVC	M806MR-8MR-SD <sup>10</sup> *	M806FR-8FR-SD <sup>10</sup> *
		Shielded	UL20549, PUR	M8S06MR-SMR-SB <sup>10</sup> *	M8S06FR-SFR-SB <sup>10</sup> *
			UL2517, PVC	M8S06MR-SMR-SD <sup>10</sup> *	M8S06FR-SFR-SD <sup>10</sup> *
 (MM, Shielded)	 (FF, Shielded)	Stainless	UL20549, PUR	SM806MR-8MR-SB <sup>10</sup> *	SM806FR-8FR-SB <sup>10</sup> *
			UL2517, PVC	SM806MR-8MR-SD <sup>10</sup> *	SM806FR-8FR-SD <sup>10</sup> *
		Stainless Shielded	UL20549, PUR	SM8S06MR-SMR-SB <sup>10</sup> *	SM8S06FR-SFR-SB <sup>10</sup> *
			UL2517, PVC	SM8S06MR-SMR-SD <sup>10</sup> *	SM8S06FR-SFR-SD <sup>10</sup> *



## M8 / Guided M8 Overmolded Cable

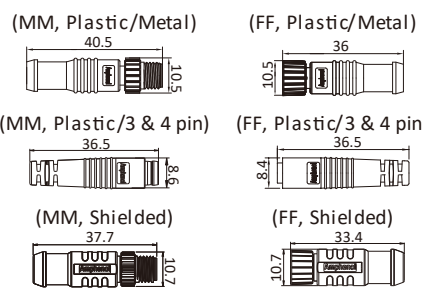
G8		M8		M8	
6		8		12	
A		A		A	
30V		30V		30V	
2A		1.5A		1A	
MM	FF	MM	FF	MM	FF
					
8AP-06BMMM-SL7B 	8AP-06BFFM-SL7B 	8P-08BMMM-SL7B 	8P-08BFFM-SL7B 	8P-12BMMM-SL7B 	8P-12BFFM-SL7B 
8AP-06BMMM-SL7D 	8AP-06BFFM-SL7D 	8P-08BMMM-SL7D 	8P-08BFFM-SL7D 	8P-12BMMM-SL7D 	8P-12BFFM-SL7D 
8AP-06AMMMM-QL5B 	8AP-06AFFM-QL5B 	8P-08AMMMM-QL5B 	8P-08AFFM-QL5B 	8P-12AMMMM-QL5B 	8P-12AFFM-QL5B 
8AP-06AMMMM-QL5D 	8AP-06AFFM-QL5D 	8P-08AMMMM-QL5D 	8P-08AFFM-QL5D 	8P-12AMMMM-QL5D 	8P-12AFFM-QL5D 
8A-06BMMM-SL7B 	8A-06BFFM-SL7B 	8-08BMMM-SL7B 	8-08BFFM-SL7B 	8-12BMMM-SL7B 	8-12BFFM-SL7B 
8A-06BMMM-SL7D 	8A-06BFFM-SL7D 	8-08BMMM-SL7D 	8-08BFFM-SL7D 	8-12BMMM-SL7D 	8-12BFFM-SL7D 
M8AS-06BMMM-SL7B 	M8AS-06BFFM-SL7B 	M8S-08BMMM-SL7B 	M8S-08BFFM-SL7B 	M8S-12BMMM-SL7B 	M8S-12BFFM-SL7B 
M8AS-06BMMM-SL7D 	M8AS-06BFFM-SL7D 	M8S-08BMMM-SL7D 	M8S-08BFFM-SL7D 	M8S-12BMMM-SL7D 	M8S-12BFFM-SL7D 
SM8A-06BMMM-SL7B 	SM8A-06BFFM-SL7B 	SM8-08BMMM-SL7B 	SM8-08BFFM-SL7B 	SM8-12BMMM-SL7B 	SM8-12BFFM-SL7B 
SM8A-06BMMM-SL7D 	SM8A-06BFFM-SL7D 	SM8-08BMMM-SL7D 	SM8-08BFFM-SL7D 	SM8-12BMMM-SL7D 	SM8-12BFFM-SL7D 
SM8AS-06BMMM-SL7B 	SM8AS-06BFFM-SL7B 	SM8S-08BMMM-SL7B 	SM8S-08BFFM-SL7B 	SM8S-12BMMM-SL7B 	SM8S-12BFFM-SL7B 
SM8AS-06BMMM-SL7D 	SM8AS-06BFFM-SL7D 	SM8S-08BMMM-SL7D 	SM8S-08BFFM-SL7D 	SM8S-12BMMM-SL7D 	SM8S-12BFFM-SL7D 
8AP-06BMMM-SR7B 	8AP-06BFFM-SR7B 	8P-08BMMM-SR7B 	8P-08BFFM-SR7B 	8P-12BMMM-SR7B 	8P-12BFFM-SR7B 
8AP-06BMMM-SR7D 	8AP-06BFFM-SR7D 	8P-08BMMM-SR7D 	8P-08BFFM-SR7D 	8P-12BMMM-SR7D 	8P-12BFFM-SR7D 
8A-06BMMM-SR7B 	8A-06BFFM-SR7B 	8-08BMMM-SR7B 	8-08BFFM-SR7B 	8-12BMMM-SR7B 	8-12BFFM-SR7B 
8A-06BMMM-SR7D 	8A-06BFFM-SR7D 	8-08BMMM-SR7D 	8-08BFFM-SR7D 	8-12BMMM-SR7D 	8-12BFFM-SR7D 
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SM8A-06BMMM-SR7B 	SM8A-06BFFM-SR7B 	SM8-08BMMM-SR7B 	SM8-08BFFM-SR7B 	SM8-12BMMM-SR7B 	SM8-12BFFM-SR7B 
SM8A-06BMMM-SR7D 	SM8A-06BFFM-SR7D 	SM8-08BMMM-SR7D 	SM8-08BFFM-SR7D 	SM8-12BMMM-SR7D 	SM8-12BFFM-SR7D 
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M8AP06ML-8PML-SD 	M8AP06FL-8PFL-SD 	M8P08ML-8PML-SD 	M8P08FL-8PFL-SD 	M8P12ML-8PML-SD 	M8P12FL-8PFL-SD 
M8AP06ML-8PML-QB 	M8AP06FL-8PFL-QB 	M8P08ML-8PML-QB 	M8P08FL-8PFL-QB 	M8P12ML-8PML-QB 	M8P12FL-8PFL-QB 
M8AP06ML-8PML-QD 	M8AP06FL-8PFL-QD 	M8P08ML-8PML-QD 	M8P08FL-8PFL-QD 	M8P12ML-8PML-QD 	M8P12FL-8PFL-QD 
M8A06ML-8ML-SB 	M8A06FL-8FL-SB 	M808ML-8ML-SB 	M808FL-8FL-SB 	M812ML-8ML-SB 	M812FL-8FL-SB 
M8A06ML-8ML-SD 	M8A06FL-8FL-SD 	M808ML-8ML-SD 	M808FL-8FL-SD 	M812ML-8ML-SD 	M812FL-8FL-SD 
M8AS06ML-SML-SB 	M8AS06FL-SFL-SB 	M8S08ML-SML-SB 	M8S08FL-SFL-SB 	M8S12ML-SML-SB 	M8S12FL-SFL-SB 
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SM8A06ML-8ML-SD 	SM8A06FL-8FL-SD 	SM808ML-8ML-SD 	SM808FL-8FL-SD 	SM812ML-8ML-SD 	SM812FL-8FL-SD 
SM8AS06ML-SML-SB 	SM8AS06FL-SFL-SB 	SM8S08ML-SML-SB 	SM8S08FL-SFL-SB 	SM8S12ML-SML-SB 	SM8S12FL-SFL-SB 
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SM8A06ML-8MR-SD 	SM8A06FL-8FR-SD 	SM808ML-8MR-SD 	SM808FL-8FR-SD 	SM812ML-8MR-SD 	SM812FL-8FR-SD 
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M8A06MR-8MR-SB 	M8A06FR-8FR-SB 	M808MR-8MR-SB 	M808FR-8FR-SB 	M812MR-8MR-SB 	M812FR-8FR-SB 
M8A					

# M8 / Guided M8 Overmolded Cable

	M8	
Number of Contacts	13	
Coding	A	
Rated Voltage (AC/DC)	30V	
Nominal current	0.5A	
Pin Assignment	MM	FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact		
		

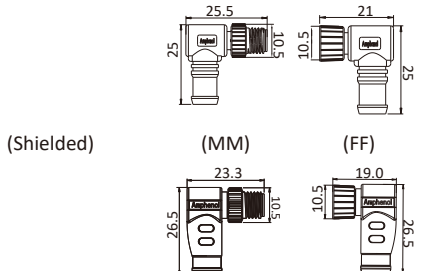
## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

<sup>10</sup> Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

	Plastic	UL20549, PUR UL2517, PVC	8P-13BMMM-SL7B <sup>10</sup> * 8P-13BMMM-SL7D <sup>10</sup> *	8P-13BFFM-SL7B <sup>10</sup> * 8P-13BFFM-SL7D <sup>10</sup> *
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	8P-13BMMM-QL5B <sup>10</sup> * 8P-13BMMM-QL5D <sup>10</sup> *	8P-13BFFM-QL5B <sup>10</sup> * 8P-13BFFM-QL5D <sup>10</sup> *
	Metal Nut	UL20549, PUR UL2517, PVC	8-13BMMM-SL7B <sup>10</sup> * 8-13BMMM-SL7D <sup>10</sup> *	8-13BFFM-SL7B <sup>10</sup> * 8-13BFFM-SL7D <sup>10</sup> *
	Shielded	UL20549, PUR UL2517, PVC	M8S-13BMMM-SL7B <sup>10</sup> * M8S-13BMMM-SL7D <sup>10</sup> *	M8S-13BFFM-SL7B <sup>10</sup> * M8S-13BFFM-SL7D <sup>10</sup> *
	Stainless	UL20549, PUR UL2517, PVC	SM8-13BMMM-SL7B <sup>10</sup> * SM8-13BMMM-SL7D <sup>10</sup> *	SM8-13BFFM-SL7B <sup>10</sup> * SM8-13BFFM-SL7D <sup>10</sup> *
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S-13BMMM-SL7B <sup>10</sup> * SM8S-13BMMM-SL7D <sup>10</sup> *	SM8S-13BFFM-SL7B <sup>10</sup> * SM8S-13BFFM-SL7D <sup>10</sup> *

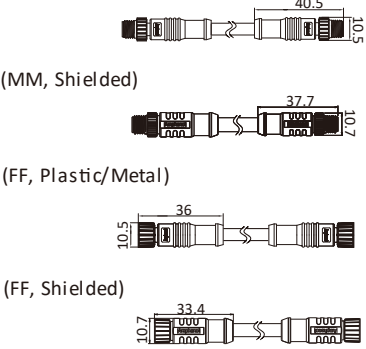
## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

<sup>10</sup> Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

	Plastic	UL20549, PUR UL2517, PVC	8P-13BMMM-SR7B <sup>10</sup> * 8P-13BMMM-SR7D <sup>10</sup> *	8P-13BFFM-SR7B <sup>10</sup> * 8P-13BFFM-SR7D <sup>10</sup> *
	Metal Nut	UL20549, PUR UL2517, PVC	8-13BMMM-SR7B <sup>10</sup> * 8-13BMMM-SR7D <sup>10</sup> *	8-13BFFM-SR7B <sup>10</sup> * 8-13BFFM-SR7D <sup>10</sup> *
	Shielded	UL20549, PUR UL2517, PVC	M8S-13BMMM-SR7B <sup>10</sup> * M8S-13BMMM-SR7D <sup>10</sup> *	M8S-13BFFM-SR7B <sup>10</sup> * M8S-13BFFM-SR7D <sup>10</sup> *
	Stainless	UL20549, PUR UL2517, PVC	SM8-13BMMM-SR7B <sup>10</sup> * SM8-13BMMM-SR7D <sup>10</sup> *	SM8-13BFFM-SR7B <sup>10</sup> * SM8-13BFFM-SR7D <sup>10</sup> *
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S-13BMMM-SR7B <sup>10</sup> * SM8S-13BMMM-SR7D <sup>10</sup> *	SM8S-13BFFM-SR7B <sup>10</sup> * SM8S-13BFFM-SR7D <sup>10</sup> *

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

	Plastic	UL20549, PUR UL2517, PVC	M8P13ML-8PML-SB <sup>10</sup> * M8P13ML-8PML-SD <sup>10</sup> *	M8P13FL-8PFL-SB <sup>10</sup> * M8P13FL-8PFL-SD <sup>10</sup> *
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	M8P13ML-8PML-QB <sup>10</sup> * M8P13ML-8PML-QD <sup>10</sup> *	M8P13FL-8PFL-QB <sup>10</sup> * M8P13FL-8PFL-QD <sup>10</sup> *
	Metal Nut	UL20549, PUR UL2517, PVC	M813ML-8ML-SB <sup>10</sup> * M813ML-8ML-SD <sup>10</sup> *	M813FL-8FL-SB <sup>10</sup> * M813FL-8FL-SD <sup>10</sup> *
	Shielded	UL20549, PUR UL2517, PVC	M8S13ML-SML-SB <sup>10</sup> * M8S13ML-SML-SD <sup>10</sup> *	M8S13FL-SFL-SB <sup>10</sup> * M8S13FL-SFL-SD <sup>10</sup> *
	Stainless	UL20549, PUR UL2517, PVC	SM813ML-8ML-SB <sup>10</sup> * SM813ML-8ML-SD <sup>10</sup> *	SM813FL-8FL-SB <sup>10</sup> * SM813FL-8FL-SD <sup>10</sup> *
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S13ML-SML-SB <sup>10</sup> * SM8S13ML-SML-SD <sup>10</sup> *	SM8S13FL-SFL-SB <sup>10</sup> * SM8S13FL-SFL-SD <sup>10</sup> *

\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 Overmolded Cable

	M8
Number of Contacts	13
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	0.5A
Pin Assignment	MM      FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact	

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length : (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

(MM, Plastic/Metal)		Plastic	UL20549, PUR	M8P13ML-8PMR-SB 10 *	M8P13FL-8PFR-SB 10 *
			UL2517, PVC	M8P13ML-8PMR-SD 10 *	M8P13FL-8PFR-SD 10 *
(MM, Shielded)		Metal Nut	UL20549, PUR	M813ML-8MR-SB 10 *	M813FL-8FR-SB 10 *
			UL2517, PVC	M813ML-8MR-SD 10 *	M813FL-8FR-SD 10 *
(FF, Plastic/Metal)		Shielded	UL20549, PUR	M8S13ML-SMR-SB 10 *	M8S13FL-SFR-SB 10 *
			UL2517, PVC	M8S13ML-SMR-SD 10 *	M8S13FL-SFR-SD 10 *
(FF, Shielded)		Stainless	UL20549, PUR	SM813ML-8MR-SB 10 *	SM813FL-8FR-SB 10 *
			UL2517, PVC	SM813ML-8MR-SD 10 *	SM813FL-8FR-SD 10 *
		Stainless Shielded	UL20549, PUR	SM8S13ML-SMR-SB 10 *	SM8S13FL-SFR-SB 10 *
			UL2517, PVC	SM8S13ML-SMR-SD 10 *	SM8S13FL-SFR-SD 10 *

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length : (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

(MM, Plastic/Metal)		Plastic	UL20549, PUR	M8P13MR-8PMR-SB 10 *	M8P13FR-8PFR-SB 10 *
			UL2517, PVC	M8P13MR-8PMR-SD 10 *	M8P13FR-8PFR-SD 10 *
(MM, Shielded)		Metal Nut	UL20549, PUR	M813MR-8MR-SB 10 *	M813FR-8FR-SB 10 *
			UL2517, PVC	M813MR-8MR-SD 10 *	M813FR-8FR-SD 10 *
(FF, Plastic/Metal)		Shielded	UL20549, PUR	M8S13MR-SMR-SB 10 *	M8S13FR-SFR-SB 10 *
			UL2517, PVC	M8S13MR-SMR-SD 10 *	M8S13FR-SFR-SD 10 *
(FF, Shielded)		Stainless	UL20549, PUR	SM813MR-8MR-SB 10 *	SM813FR-8FR-SB 10 *
			UL2517, PVC	SM813MR-8MR-SD 10 *	SM813FR-8FR-SD 10 *
		Stainless Shielded	UL20549, PUR	SM8S13MR-SMR-SB 10 *	SM8S13FR-SFR-SB 10 *
			UL2517, PVC	SM8S13MR-SMR-SD 10 *	SM8S13FR-SFR-SD 10 *

# M8 / Guided M8 Overmolded Cable

	G8	
Number of Contacts	2	
Coding	A	
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)	
Nominal current	4A	
Pin Assignment	MF	FM
MM: Male Connector Male Contact FF: Female Connector Female Contact		

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>	Plastic	UL20549, PUR	M8AP02ML-8APFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8AP02ML-8APFL-SD <sup>10*</sup>	-
<p>(MF, Shielded)</p>	Plastic (Snap-in, IP65)	UL20549, PUR	M8AP02ML-8APFL-QB <sup>10*</sup>	-
		UL2517, PVC	M8AP02ML-8APFL-QD <sup>10*</sup>	-
	Metal Nut	UL20549, PUR	M8A02ML-8AFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8A02ML-8AFL-SD <sup>10*</sup>	-
	Shielded	UL20549, PUR	M8AS02ML-ASFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8AS02ML-ASFL-SD <sup>10*</sup>	-
	Stainless	UL20549, PUR	SM8A02ML-8AFL-SB <sup>10*</sup>	-
		UL2517, PVC	SM8A02ML-8AFL-SD <sup>10*</sup>	-
	Stainless Shielded	UL20549, PUR	SM8AS02ML-ASFL-SB <sup>10*</sup>	-
		UL2517, PVC	SM8AS02ML-ASFL-SD <sup>10*</sup>	-

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>	Plastic	UL20549, PUR	M8AP02MR-8APFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8AP02MR-8APFR-SD <sup>10*</sup>	-
<p>(MF, Shielded)</p>	Plastic (Snap-in, IP65)	UL20549, PUR	-	-
		UL2517, PVC	-	-
	Metal Nut	UL20549, PUR	M8A02MR-8AFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8A02MR-8AFR-SD <sup>10*</sup>	-
	Shielded	UL20549, PUR	M8AS02MR-ASFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8AS02MR-ASFR-SD <sup>10*</sup>	-
	Stainless	UL20549, PUR	SM8A02MR-8AFR-SB <sup>10*</sup>	-
		UL2517, PVC	SM8A02MR-8AFR-SD <sup>10*</sup>	-
	Stainless Shielded	UL20549, PUR	SM8AS02MR-ASFR-SB <sup>10*</sup>	-
		UL2517, PVC	SM8AS02MR-ASFR-SD <sup>10*</sup>	-

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67














































































































































<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal) (FM, Plastic/Metal)</p>	Plastic	UL20549, PUR	M8AP02ML-8APFR-SB <sup>10*</sup>	M8AP02FL-8APMR-SB <sup>10*</sup>
		UL2517, PVC	M8AP02ML-8APFR-SD <sup>10*</sup>	M8AP02FL-8APMR-SD <sup>10*</sup>
<p>(MF, Shielded) (FM, Shielded)</p>	Plastic (Snap-in, IP65) (Only Straight is Snap-in)	UL20549, PUR	M8AP02ML-8APFR-QB <sup>10*</sup>	M8AP02FL-8APMR-QB <sup>10*</sup>
		UL2517, PVC	M8AP02ML-8APFR-QD <sup>10*</sup>	M8AP02FL-8APMR-QD <sup>10*</sup>
	Metal Nut	UL20549, PUR	M8A02ML-8AFR-SB <sup>10*</sup>	M8A02FL-8AMR-SB <sup>10*</sup>
		UL2517, PVC	M8A02ML-8AFR-SD <sup>10*</sup>	M8A02FL-8AMR-SD <sup>10*</sup>
	Shielded	UL20549, PUR	M8AS02ML-ASFR-SB <sup>10*</sup>	M8AS02FL-ASMR-SB <sup>10*</sup>
		UL2517, PVC	M8AS02ML-ASFR-SD <sup>10*</sup>	M8AS02FL-ASMR-SD <sup>10*</sup>
	Stainless	UL20549, PUR	SM8A02ML-8AFR-SB <sup>10*</sup>	SM8A02FL-8AMR-SB <sup>10*</sup>
		UL2517, PVC	SM8A02ML-8AFR-SD <sup>10*</sup>	SM8A02FL-8AMR-SD <sup>10*</sup>
	Stainless Shielded	UL20549, PUR	SM8AS02ML-ASFR-SB <sup>10*</sup>	SM8AS02FL-ASMR-SB <sup>10*</sup>
		UL2517, PVC	SM8AS02ML-ASFR-SD <sup>10*</sup>	SM8AS02FL-ASMR-SD <sup>10*</sup>


\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 Overmolded Cable

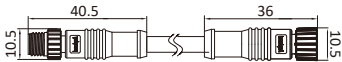
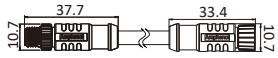
M8		G8		M8	
3		3		4	
A		A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A		4A	
MF	FM	MF	FM	MF	FM
					
M8P03ML-8PFL-SB 	-	M8AP03ML-8APFL-SB 	-	M8P04ML-8PFL-SB 	-
M8P03ML-8PFL-SD 	-	M8AP03ML-8APFL-SD 	-	M8P04ML-8PFL-SD 	-
M8P03ML-8PFL-QB 	-	M8AP03ML-8APFL-QB 	-	M8P04ML-8PFL-QB 	-
M8P03ML-8PFL-QD 	-	M8AP03ML-8APFL-QD 	-	M8P04ML-8PFL-QD 	-
M803ML-8FL-SB 	-	M8A03ML-8AFL-SB 	-	M804ML-8FL-SB 	-
M803ML-8FL-SD 	-	M8A03ML-8AFL-SD 	-	M804ML-8FL-SD 	-
M8S03ML-SFL-SB 	-	M8AS03ML-ASFL-SB 	-	M8S04ML-SFL-SB 	-
M8S03ML-SFL-SD 	-	M8AS03ML-ASFL-SD 	-	M8S04ML-SFL-SD 	-
SM803ML-8FL-SB 	-	SM8A03ML-8AFL-SB 	-	SM804ML-8FL-SB 	-
SM803ML-8FL-SD 	-	SM8A03ML-8AFL-SD 	-	SM804ML-8FL-SD 	-
SM8S03ML-SFL-SB 	-	SM8AS03ML-ASFL-SB 	-	SM8S04ML-SFL-SB 	-
SM8S03ML-SFL-SD 	-	SM8AS03ML-ASFL-SD 	-	SM8S04ML-SFL-SD 	-
M8P03MR-8PFR-SB 	-	M8AP03MR-8APFR-SB 	-	M8P04MR-8PFR-SB 	-
M8P03MR-8PFR-SD 	-	M8AP03MR-8APFR-SD 	-	M8P04MR-8PFR-SD 	-
-	-	-	-	-	-
-	-	-	-	-	-
M803MR-8FR-SB 	-	M8A03MR-8AFR-SB 	-	M804MR-8FR-SB 	-
M803MR-8FR-SD 	-	M8A03MR-8AFR-SD 	-	M804MR-8FR-SD 	-
M8S03MR-SFR-SB 	-	M8AS03MR-ASFR-SB 	-	M8S04MR-SFR-SB 	-
M8S03MR-SFR-SD 	-	M8AS03MR-ASFR-SD 	-	M8S04MR-SFR-SD 	-
SM803MR-8FR-SB 	-	SM8A03MR-8AFR-SB 	-	SM804MR-8FR-SB 	-
SM803MR-8FR-SD 	-	SM8A03MR-8AFR-SD 	-	SM804MR-8FR-SD 	-
SM8S03MR-SFR-SB 	-	SM8AS03MR-ASFR-SB 	-	SM8S04MR-SFR-SB 	-
SM8S03MR-SFR-SD 	-	SM8AS03MR-ASFR-SD 	-	SM8S04MR-SFR-SD 	-
M8P03ML-8PFR-SB 	M8P03FL-8PMR-SB 	M8AP03ML-8APFR-SB 	M8AP03FL-8APMR-SB 	M8P04ML-8PFR-SB 	M8P04FL-8PMR-SB 
M8P03ML-8PFR-SD 	M8P03FL-8PMR-SD 	M8AP03ML-8APFR-SD 	M8AP03FL-8APMR-SD 	M8P04ML-8PFR-SD 	M8P04FL-8PMR-SD 
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SM8S03ML-SFR-SB 	SM8S03FL-SMR-SB 	SM8AS03ML-ASFR-SB 	SM8AS03FL-ASMR-SB 	SM8S04ML-SFR-SB 	SM8S04FL-SMR-SB 
SM8S03ML-SFR-SD 	SM8S03FL-SMR-SD 	SM8AS03ML-ASFR-SD 	SM8AS03FL-ASMR-SD 	SM8S04ML-SFR-SD 	SM8S04FL-SMR-SD 

# M8 / Guided M8 Overmolded Cable

	G8
Number of Contacts	4
Coding	A
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	MF      FM
MM: Male Connector Male Contact FF: Female Connector Female Contact	

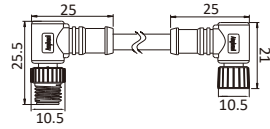
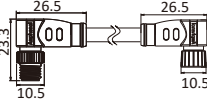
## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p> 	Plastic	UL20549, PUR UL2517, PVC	M8AP04 <b>ML</b> -8APFL-SB <sup>10*</sup> M8AP04 <b>ML</b> -8APFL-SD <sup>10*</sup>	- -
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	M8AP04 <b>ML</b> -8APFL-QB <sup>10*</sup> M8AP04 <b>ML</b> -8APFL-QD <sup>10*</sup>	- -
	Metal Nut	UL20549, PUR UL2517, PVC	M8A04 <b>ML</b> -8AFL-SB <sup>10*</sup> M8A04 <b>ML</b> -8AFL-SD <sup>10*</sup>	- -
	Shielded	UL20549, PUR UL2517, PVC	M8AS04 <b>ML</b> -ASFL-SB <sup>10*</sup> M8AS04 <b>ML</b> -ASFL-SD <sup>10*</sup>	- -
	Stainless	UL20549, PUR UL2517, PVC	SM8A04 <b>ML</b> -8AFL-SB <sup>10*</sup> SM8A04 <b>ML</b> -8AFL-SD <sup>10*</sup>	- -
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8AS04 <b>ML</b> -ASFL-SB <sup>10*</sup> SM8AS04 <b>ML</b> -ASFL-SD <sup>10*</sup>	- -

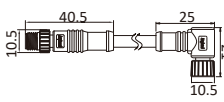
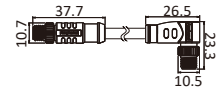
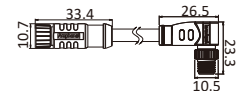
## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p> 	Plastic	UL20549, PUR UL2517, PVC	M8AP04 <b>MR</b> -8APFR-SB <sup>10*</sup> M8AP04 <b>MR</b> -8APFR-SD <sup>10*</sup>	- -
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	- -	- -
	Metal Nut	UL20549, PUR UL2517, PVC	M8A04 <b>MR</b> -8AFR-SB <sup>10*</sup> M8A04 <b>MR</b> -8AFR-SD <sup>10*</sup>	- -
	Shielded	UL20549, PUR UL2517, PVC	M8AS04 <b>MR</b> -ASFR-SB <sup>10*</sup> M8AS04 <b>MR</b> -ASFR-SD <sup>10*</sup>	- -
	Stainless	UL20549, PUR UL2517, PVC	SM8A04 <b>MR</b> -8AFR-SB <sup>10*</sup> SM8A04 <b>MR</b> -8AFR-SD <sup>10*</sup>	- -
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8AS04 <b>MR</b> -ASFR-SB <sup>10*</sup> SM8AS04 <b>MR</b> -ASFR-SD <sup>10*</sup>	- -

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF





<p>(MF, Plastic/Metal)      (FM, Plastic/Metal)</p>   <p>(MF, Shielded)      (FM, Shielded)</p>  	Plastic	UL20549, PUR UL2517, PVC	M8AP04 <b>ML</b> -8APFR-SB <sup>10*</sup> M8AP04 <b>ML</b> -8APFR-SD <sup>10*</sup>	M8AP04 <b>FL</b> -8APMR-SB <sup>10*</sup> M8AP04 <b>FL</b> -8APMR-SD <sup>10*</sup>
	Plastic (Snap-in, IP65) (Only Straight is Snap-in)	UL20549, PUR UL2517, PVC	M8AP04 <b>ML</b> -8APFR-QB <sup>10*</sup> M8AP04 <b>ML</b> -8APFR-QD <sup>10*</sup>	M8AP04 <b>FL</b> -8APMR-QB <sup>10*</sup> M8AP04 <b>FL</b> -8APMR-QD <sup>10*</sup>
	Metal Nut	UL20549, PUR UL2517, PVC	M8A04 <b>ML</b> -8AFL-SB <sup>10*</sup> M8A04 <b>ML</b> -8AFL-SD <sup>10*</sup>	M8A04 <b>FL</b> -8AMR-SB <sup>10*</sup> M8A04 <b>FL</b> -8AMR-SD <sup>10*</sup>
	Shielded	UL20549, PUR UL2517, PVC	M8AS04 <b>ML</b> -ASFR-SB <sup>10*</sup> M8AS04 <b>ML</b> -ASFR-SD <sup>10*</sup>	M8AS04 <b>FL</b> -ASMR-SB <sup>10*</sup> M8AS04 <b>FL</b> -ASMR-SD <sup>10*</sup>
	Stainless	UL20549, PUR UL2517, PVC	SM8A04 <b>ML</b> -8AFL-SB <sup>10*</sup> SM8A04 <b>ML</b> -8AFL-SD <sup>10*</sup>	SM8A04 <b>FL</b> -8AMR-SB <sup>10*</sup> SM8A04 <b>FL</b> -8AMR-SD <sup>10*</sup>
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8AS04 <b>ML</b> -ASFR-SB <sup>10*</sup> SM8AS04 <b>ML</b> -ASFR-SD <sup>10*</sup>	SM8AS04 <b>FL</b> -ASMR-SB <sup>10*</sup> SM8AS04 <b>FL</b> -ASMR-SD <sup>10*</sup>

\* Upon Request


<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths



# M8 / Guided M8 Overmolded Cable

M8		G8		M8	
4		5		5	
D		A		B	
50V (AC) / 60V (DC)		30V		30V	
4A		2A		3A	
MF	FM	MF	FM	MF	FM
					
M8DP04ML-8DPFL-SB <sup>10</sup> *	-	M8AP05ML-8APFL-SB <sup>10</sup> *	-	M8BP05ML-8BPFL-SB <sup>10</sup> *	-
M8DP04ML-8DPFL-SD <sup>10</sup> *	-	M8AP05ML-8APFL-SD <sup>10</sup> *	-	M8BP05ML-8BPFL-SD <sup>10</sup> *	-
M8DP04ML-8DPFL-QB <sup>10</sup> *	-	M8AP05ML-8APFL-QB <sup>10</sup> *	-	M8BP05ML-8BPFL-QB <sup>10</sup> *	-
M8DP04ML-8DPFL-QD <sup>10</sup> *	-	M8AP05ML-8APFL-QD <sup>10</sup> *	-	M8BP05ML-8BPFL-QD <sup>10</sup> *	-
M8D04ML-8DFL-SB <sup>10</sup> *	-	M8A05ML-8AFL-SB <sup>10</sup> *	-	M8B05ML-8BFL-SB <sup>10</sup> *	-
M8D04ML-8DFL-SD <sup>10</sup> *	-	M8A05ML-8AFL-SD <sup>10</sup> *	-	M8B05ML-8BFL-SD <sup>10</sup> *	-
M8DS04ML-DSFL-SB <sup>10</sup> *	-	M8AS05ML-ASFL-SB <sup>10</sup> *	-	M8BS05ML-BSFL-SB <sup>10</sup> *	-
M8DS04ML-DSFL-SD <sup>10</sup> *	-	M8AS05ML-ASFL-SD <sup>10</sup> *	-	M8BS05ML-BSFL-SD <sup>10</sup> *	-
SM8D04ML-8DFL-SB <sup>10</sup> *	-	SM8A05ML-8AFL-SB <sup>10</sup> *	-	SM8B05ML-8BFL-SB <sup>10</sup> *	-
SM8D04ML-8DFL-SD <sup>10</sup> *	-	SM8A05ML-8AFL-SD <sup>10</sup> *	-	SM8B05ML-8BFL-SD <sup>10</sup> *	-
SM8DS04ML-DSFL-SB <sup>10</sup> *	-	SM8AS05ML-ASFL-SB <sup>10</sup> *	-	SM8BS05ML-BSFL-SB <sup>10</sup> *	-
SM8DS04ML-DSFL-SD <sup>10</sup> *	-	SM8AS05ML-ASFL-SD <sup>10</sup> *	-	SM8BS05ML-BSFL-SD <sup>10</sup> *	-
M8DP04MR-8DPFR-SB <sup>10</sup> *	-	M8AP05MR-8APFR-SB <sup>10</sup> *	-	M8BP05MR-8BPFR-SB <sup>10</sup> *	-
M8DP04MR-8DPFR-SD <sup>10</sup> *	-	M8AP05MR-8APFR-SD <sup>10</sup> *	-	M8BP05MR-8BPFR-SD <sup>10</sup> *	-
-	-	-	-	-	-
-	-	-	-	-	-
M8D04MR-8DFR-SB <sup>10</sup> *	-	M8A05MR-8AFR-SB <sup>10</sup> *	-	M8B05MR-8BFR-SB <sup>10</sup> *	-
M8D04MR-8DFR-SD <sup>10</sup> *	-	M8A05MR-8AFR-SD <sup>10</sup> *	-	M8B05MR-8BFR-SD <sup>10</sup> *	-
M8DS04MR-DSFR-SB <sup>10</sup> *	-	M8AS05MR-ASFR-SB <sup>10</sup> *	-	M8BS05MR-BSFR-SB <sup>10</sup> *	-
M8DS04MR-DSFR-SD <sup>10</sup> *	-	M8AS05MR-ASFR-SD <sup>10</sup> *	-	M8BS05MR-BSFR-SD <sup>10</sup> *	-
SM8D04MR-8DFR-SB <sup>10</sup> *	-	SM8A05MR-8AFR-SB <sup>10</sup> *	-	SM8B05MR-8BFR-SB <sup>10</sup> *	-
SM8D04MR-8DFR-SD <sup>10</sup> *	-	SM8A05MR-8AFR-SD <sup>10</sup> *	-	SM8B05MR-8BFR-SD <sup>10</sup> *	-
SM8DS04MR-DSFR-SB <sup>10</sup> *	-	SM8AS05MR-ASFR-SB <sup>10</sup> *	-	SM8BS05MR-BSFR-SB <sup>10</sup> *	-
SM8DS04MR-DSFR-SD <sup>10</sup> *	-	SM8AS05MR-ASFR-SD <sup>10</sup> *	-	SM8BS05MR-BSFR-SD <sup>10</sup> *	-
M8DP04ML-8DPFR-SB <sup>10</sup> *	M8DP04FL-8DPMR-SB <sup>10</sup> *	M8AP05ML-8APFR-SB <sup>10</sup> *	M8AP05FL-8APMR-SB <sup>10</sup> *	M8BP05ML-8BPFR-SB <sup>10</sup> *	M8BP05FL-8BPMR-SB <sup>10</sup> *
M8DP04ML-8DPFR-SD <sup>10</sup> *	M8DP04FL-8DPMR-SD <sup>10</sup> *	M8AP05ML-8APFR-SD <sup>10</sup> *	M8AP05FL-8APMR-SD <sup>10</sup> *	M8BP05ML-8BPFR-SD <sup>10</sup> *	M8BP05FL-8BPMR-SD <sup>10</sup> *
M8DP04ML-8DPFR-QB <sup>10</sup> *	M8DP04FL-8DPMR-QB <sup>10</sup> *	M8AP05ML-8APFR-QB <sup>10</sup> *	M8AP05FL-8APMR-QB <sup>10</sup> *	M8BP05ML-8BPFR-QB <sup>10</sup> *	M8BP05FL-8BPMR-QB <sup>10</sup> *
M8DP04ML-8DPFR-QD <sup>10</sup> *	M8DP04FL-8DPMR-QD <sup>10</sup> *	M8AP05ML-8APFR-QD <sup>10</sup> *	M8AP05FL-8APMR-QD <sup>10</sup> *	M8BP05ML-8BPFR-QD <sup>10</sup> *	M8BP05FL-8BPMR-QD <sup>10</sup> *
M8D04ML-8DFR-SB <sup>10</sup> *	M8D04FL-8DMR-SB <sup>10</sup> *	M8A05ML-8AFR-SB <sup>10</sup> *	M8A05FL-8AMR-SB <sup>10</sup> *	M8B05ML-8BFR-SB <sup>10</sup> *	M8B05FL-8BMR-SB <sup>10</sup> *
M8D04ML-8DFR-SD <sup>10</sup> *	M8D04FL-8DMR-SD <sup>10</sup> *	M8A05ML-8AFR-SD <sup>10</sup> *	M8A05FL-8AMR-SD <sup>10</sup> *	M8B05ML-8BFR-SD <sup>10</sup> *	M8B05FL-8BMR-SD <sup>10</sup> *
M8DS04ML-DSFR-SB <sup>10</sup> *	M8DS04FL-DSMR-SB <sup>10</sup> *	M8AS05ML-ASFR-SB <sup>10</sup> *	M8AS05FL-ASMR-SB <sup>10</sup> *	M8BS05ML-BSFR-SB <sup>10</sup> *	M8BS05FL-BSMR-SB <sup>10</sup> *
M8DS04ML-DSFR-SD <sup>10</sup> *	M8DS04FL-DSMR-SD <sup>10</sup> *	M8AS05ML-ASFR-SD <sup>10</sup> *	M8AS05FL-ASMR-SD <sup>10</sup> *	M8BS05ML-BSFR-SD <sup>10</sup> *	M8BS05FL-BSMR-SD <sup>10</sup> *
SM8D04ML-8DFR-SB <sup>10</sup> *	SM8D04FL-8DMR-SB <sup>10</sup> *	SM8A05ML-8AFR-SB <sup>10</sup> *	SM8A05FL-8AMR-SB <sup>10</sup> *	SM8B05ML-8BFR-SB <sup>10</sup> *	SM8B05FL-8BMR-SB <sup>10</sup> *
SM8D04ML-8DFR-SD <sup>10</sup> *	SM8D04FL-8DMR-SD <sup>10</sup> *	SM8A05ML-8AFR-SD <sup>10</sup> *	SM8A05FL-8AMR-SD <sup>10</sup> *	SM8B05ML-8BFR-SD <sup>10</sup> *	SM8B05FL-8BMR-SD <sup>10</sup> *
SM8DS04ML-DSFR-SB <sup>10</sup> *	SM8DS04FL-DSMR-SB <sup>10</sup> *	SM8AS05ML-ASFR-SB <sup>10</sup> *	SM8AS05FL-ASMR-SB <sup>10</sup> *	SM8BS05ML-BSFR-SB <sup>10</sup> *	SM8BS05FL-BSMR-SB <sup>10</sup> *
SM8DS04ML-DSFR-SD <sup>10</sup> *	SM8DS04FL-DSMR-SD <sup>10</sup> *	SM8AS05ML-ASFR-SD <sup>10</sup> *	SM8AS05FL-ASMR-SD <sup>10</sup> *	SM8BS05ML-BSFR-SD <sup>10</sup> *	SM8BS05FL-BSMR-SD <sup>10</sup> *

# M8 / Guided M8 Overmolded Cable

	G8	
Number of Contacts	5 (3+2)	
Coding	H	
Rated Voltage (AC/DC)	30V	
Nominal current	3A+1.5A	
Pin Assignment	MF	FM
MM: Male Connector Male Contact FF: Female Connector Female Contact		

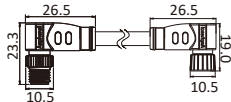
## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

 	Plastic	UL20549, PUR	M8HP05ML-8HPFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8HP05ML-8HPFL-SD <sup>10*</sup>	-
	Plastic (Snap-in, IP65)	UL20549, PUR	M8HP05ML-8HPFL-QB <sup>10*</sup>	-
		UL2517, PVC	M8HP05ML-8HPFL-QD <sup>10*</sup>	-
	Metal Nut	UL20549, PUR	M8H05ML-8HFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8H05ML-8HFL-SD <sup>10*</sup>	-
	Shielded	UL20549, PUR	M8HS05ML-HSFL-SB <sup>10*</sup>	-
		UL2517, PVC	M8HS05ML-HSFL-SD <sup>10*</sup>	-
	Stainless	UL20549, PUR	SM8H05ML-8HFL-SB <sup>10*</sup>	-
		UL2517, PVC	SM8H05ML-8HFL-SD <sup>10*</sup>	-
	Stainless Shielded	UL20549, PUR	SM8HS05ML-HSFL-SB <sup>10*</sup>	-
		UL2517, PVC	SM8HS05ML-HSFL-SD <sup>10*</sup>	-

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

 	Plastic	UL20549, PUR	M8HP05MR-8HPFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8HP05MR-8HPFR-SD <sup>10*</sup>	-
	Plastic (Snap-in, IP65)	UL20549, PUR	-	-
		UL2517, PVC	-	-
	Metal Nut	UL20549, PUR	M8H05MR-8HFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8H05MR-8HFR-SD <sup>10*</sup>	-
	Shielded	UL20549, PUR	M8HS05MR-HSFR-SB <sup>10*</sup>	-
		UL2517, PVC	M8HS05MR-HSFR-SD <sup>10*</sup>	-
	Stainless	UL20549, PUR	SM8H05MR-8HFR-SB <sup>10*</sup>	-
		UL2517, PVC	SM8H05MR-8HFR-SD <sup>10*</sup>	-
	Stainless Shielded	UL20549, PUR	SM8HS05MR-HSFR-SB <sup>10*</sup>	-
		UL2517, PVC	SM8HS05MR-HSFR-SD <sup>10*</sup>	-

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67




<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

   	Plastic	UL20549, PUR	M8HP05ML-8HPFR-SB <sup>10*</sup>	M8HP05FL-8HPMR-SB <sup>10*</sup>
		UL2517, PVC	M8HP05ML-8HPFR-SD <sup>10*</sup>	M8HP05FL-8HPMR-SD <sup>10*</sup>
	Plastic (Snap-in, IP65)	UL20549, PUR	M8HP05ML-8HPFR-QB <sup>10*</sup>	M8HP05FL-8HPMR-QB <sup>10*</sup>
	(Only Straight is Snap-in)	UL2517, PVC	M8HP05ML-8HPFR-QD <sup>10*</sup>	M8HP05FL-8HPMR-QD <sup>10*</sup>
	Metal Nut	UL20549, PUR	M8H05ML-8HFR-SB <sup>10*</sup>	M8H05FL-8HMR-SB <sup>10*</sup>
		UL2517, PVC	M8H05ML-8HFR-SD <sup>10*</sup>	M8H05FL-8HMR-SD <sup>10*</sup>
	Shielded	UL20549, PUR	M8HS05ML-HSFR-SB <sup>10*</sup>	M8HS05FL-HSMR-SB <sup>10*</sup>
		UL2517, PVC	M8HS05ML-HSFR-SD <sup>10*</sup>	M8HS05FL-HSMR-SD <sup>10*</sup>
	Stainless	UL20549, PUR	SM8H05ML-8HFR-SB <sup>10*</sup>	SM8H05FL-8HMR-SB <sup>10*</sup>
		UL2517, PVC	SM8H05ML-8HFR-SD <sup>10*</sup>	SM8H05FL-8HMR-SD <sup>10*</sup>
	Stainless Shielded	UL20549, PUR	SM8HS05ML-HSFR-SB <sup>10*</sup>	SM8HS05FL-HSMR-SB <sup>10*</sup>
		UL2517, PVC	SM8HS05ML-HSFR-SD <sup>10*</sup>	SM8HS05FL-HSMR-SD <sup>10*</sup>

\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 Overmolded Cable


M8		G8		M8	
6		6		8	
A		A		A	
30V		30V		30V	
1.5A		2A		1.5A	
MF	FM	MF	FM	MF	FM
					

M8P06ML-8PFL-SB <sup>10*</sup>	-	M8AP06ML-8APFL-SB <sup>10*</sup>	-	M8P08ML-8PFL-SB <sup>10*</sup>	-
M8P06ML-8PFL-SD <sup>10*</sup>	-	M8AP06ML-8APFL-SD <sup>10*</sup>	-	M8P08ML-8PFL-SD <sup>10*</sup>	-
M8P06ML-8PFL-QB <sup>10*</sup>	-	M8AP06ML-8APFL-QB <sup>10*</sup>	-	M8P08ML-8PFL-QB <sup>10*</sup>	-
M8P06ML-8PFL-QD <sup>10*</sup>	-	M8AP06ML-8APFL-QD <sup>10*</sup>	-	M8P08ML-8PFL-QD <sup>10*</sup>	-
M806ML-8FL-SB <sup>10*</sup>	-	M8A06ML-8AFL-SB <sup>10*</sup>	-	M808ML-8FL-SB <sup>10*</sup>	-
M806ML-8FL-SD <sup>10*</sup>	-	M8A06ML-8AFL-SD <sup>10*</sup>	-	M808ML-8FL-SD <sup>10*</sup>	-
M8S06ML-SFL-SB <sup>10*</sup>	-	M8AS06ML-ASFL-SB <sup>10*</sup>	-	M8S08ML-SFL-SB <sup>10*</sup>	-
M8S06ML-SFL-SD <sup>10*</sup>	-	M8AS06ML-ASFL-SD <sup>10*</sup>	-	M8S08ML-SFL-SD <sup>10*</sup>	-
SM806ML-8FL-SB <sup>10*</sup>	-	SM8A06ML-8AFL-SB <sup>10*</sup>	-	SM808ML-8FL-SB <sup>10*</sup>	-
SM806ML-8FL-SD <sup>10*</sup>	-	SM8A06ML-8AFL-SD <sup>10*</sup>	-	SM808ML-8FL-SD <sup>10*</sup>	-
SM8S06ML-SFL-SB <sup>10*</sup>	-	SM8AS06ML-ASFL-SB <sup>10*</sup>	-	SM8S08ML-SFL-SB <sup>10*</sup>	-
SM8S06ML-SFL-SD <sup>10*</sup>	-	SM8AS06ML-ASFL-SD <sup>10*</sup>	-	SM8S08ML-SFL-SD <sup>10*</sup>	-

M8P06MR-8PFR-SB <sup>10*</sup>	-	M8AP06MR-8APFR-SB <sup>10*</sup>	-	M8P08MR-8PFR-SB <sup>10*</sup>	-
M8P06MR-8PFR-SD <sup>10*</sup>	-	M8AP06MR-8APFR-SD <sup>10*</sup>	-	M8P08MR-8PFR-SD <sup>10*</sup>	-
-	-	-	-	-	-
-	-	-	-	-	-
M806MR-8FR-SB <sup>10*</sup>	-	M8A06MR-8AFR-SB <sup>10*</sup>	-	M808MR-8FR-SB <sup>10*</sup>	-
M806MR-8FR-SD <sup>10*</sup>	-	M8A06MR-8AFR-SD <sup>10*</sup>	-	M808MR-8FR-SD <sup>10*</sup>	-
M8S06MR-SFR-SB <sup>10*</sup>	-	M8AS06MR-ASFR-SB <sup>10*</sup>	-	M8S08MR-SFR-SB <sup>10*</sup>	-
M8S06MR-SFR-SD <sup>10*</sup>	-	M8AS06MR-ASFR-SD <sup>10*</sup>	-	M8S08MR-SFR-SD <sup>10*</sup>	-
SM806MR-8FR-SB <sup>10*</sup>	-	SM8A06MR-8AFR-SB <sup>10*</sup>	-	SM808MR-8FR-SB <sup>10*</sup>	-
SM806MR-8FR-SD <sup>10*</sup>	-	SM8A06MR-8AFR-SD <sup>10*</sup>	-	SM808MR-8FR-SD <sup>10*</sup>	-
SM8S06MR-SFR-SB <sup>10*</sup>	-	SM8AS06MR-ASFR-SB <sup>10*</sup>	-	SM8S08MR-SFR-SB <sup>10*</sup>	-
SM8S06MR-SFR-SD <sup>10*</sup>	-	SM8AS06MR-ASFR-SD <sup>10*</sup>	-	SM8S08MR-SFR-SD <sup>10*</sup>	-

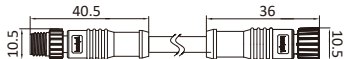
M8P06ML-8PFR-SB <sup>10*</sup>	M8P06FL-8PMR-SB <sup>10*</sup>	M8AP06ML-8APFR-SB <sup>10*</sup>	M8AP06FL-8APMR-SB <sup>10*</sup>	M8P08ML-8PFR-SB <sup>10*</sup>	M8P08FL-8PMR-SB <sup>10*</sup>
M8P06ML-8PFR-SD <sup>10*</sup>	M8P06FL-8PMR-SD <sup>10*</sup>	M8AP06ML-8APFR-SD <sup>10*</sup>	M8AP06FL-8APMR-SD <sup>10*</sup>	M8P08ML-8PFR-SD <sup>10*</sup>	M8P08FL-8PMR-SD <sup>10*</sup>
M8P06ML-8PFR-QB <sup>10*</sup>	M8P06FL-8PMR-QB <sup>10*</sup>	M8AP06ML-8APFR-QB <sup>10*</sup>	M8AP06FL-8APMR-QB <sup>10*</sup>	M8P08ML-8PFR-QB <sup>10*</sup>	M8P08FL-8PMR-QB <sup>10*</sup>
M8P06ML-8PFR-QD <sup>10*</sup>	M8P06FL-8PMR-QD <sup>10*</sup>	M8AP06ML-8APFR-QD <sup>10*</sup>	M8AP06FL-8APMR-QD <sup>10*</sup>	M8P08ML-8PFR-QD <sup>10*</sup>	M8P08FL-8PMR-QD <sup>10*</sup>
M806ML-8FR-SB <sup>10*</sup>	M806FL-8MR-SB <sup>10*</sup>	M8A06ML-8AFR-SB <sup>10*</sup>	M8A06FL-8AMR-SB <sup>10*</sup>	M808ML-8FR-SB <sup>10*</sup>	M808FL-8MR-SB <sup>10*</sup>
M806ML-8FR-SD <sup>10*</sup>	M806FL-8MR-SD <sup>10*</sup>	M8A06ML-8AFR-SD <sup>10*</sup>	M8A06FL-8AMR-SD <sup>10*</sup>	M808ML-8FR-SD <sup>10*</sup>	M808FL-8MR-SD <sup>10*</sup>
M8S06ML-SFR-SB <sup>10*</sup>	M8S06FL-SMR-SB <sup>10*</sup>	M8AS06ML-ASFR-SB <sup>10*</sup>	M8AS06FL-ASMR-SB <sup>10*</sup>	M8S08ML-SFR-SB <sup>10*</sup>	M8S08FL-SMR-SB <sup>10*</sup>
M8S06ML-SFR-SD <sup>10*</sup>	M8S06FL-SMR-SD <sup>10*</sup>	M8AS06ML-ASFR-SD <sup>10*</sup>	M8AS06FL-ASMR-SD <sup>10*</sup>	M8S08ML-SFR-SD <sup>10*</sup>	M8S08FL-SMR-SD <sup>10*</sup>
SM806ML-8FR-SB <sup>10*</sup>	SM806FL-8MR-SB <sup>10*</sup>	SM8A06ML-8AFR-SB <sup>10*</sup>	SM8A06FL-8AMR-SB <sup>10*</sup>	SM808ML-8FR-SB <sup>10*</sup>	SM808FL-8MR-SB <sup>10*</sup>
SM806ML-8FR-SD <sup>10*</sup>	SM806FL-8MR-SD <sup>10*</sup>	SM8A06ML-8AFR-SD <sup>10*</sup>	SM8A06FL-8AMR-SD <sup>10*</sup>	SM808ML-8FR-SD <sup>10*</sup>	SM808FL-8MR-SD <sup>10*</sup>
SM8S06ML-SFR-SB <sup>10*</sup>	SM8S06FL-SMR-SB <sup>10*</sup>	SM8AS06ML-ASFR-SB <sup>10*</sup>	SM8AS06FL-ASMR-SB <sup>10*</sup>	SM8S08ML-SFR-SB <sup>10*</sup>	SM8S08FL-SMR-SB <sup>10*</sup>
SM8S06ML-SFR-SD <sup>10*</sup>	SM8S06FL-SMR-SD <sup>10*</sup>	SM8AS06ML-ASFR-SD <sup>10*</sup>	SM8AS06FL-ASMR-SD <sup>10*</sup>	SM8S08ML-SFR-SD <sup>10*</sup>	SM8S08FL-SMR-SD <sup>10*</sup>

# M8 / Guided M8 Overmolded Cable

	M8
Number of Contacts	12
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	1A
Pin Assignment	MF      FM
MM: Male Connector Male Contact FF: Female Connector Female Contact	

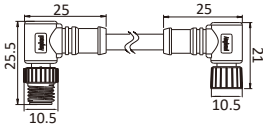
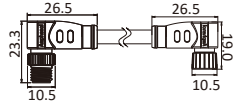
## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p> 	Plastic	UL20549, PUR UL2517, PVC	M8P12ML-8PFL-SB <sup>10*</sup> M8P12ML-8PFL-SD <sup>10*</sup>	- -
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	M8P12ML-8PFL-QB <sup>10*</sup> M8P12ML-8PFL-QD <sup>10*</sup>	- -
	Metal Nut	UL20549, PUR UL2517, PVC	M812ML-8FL-SB <sup>10*</sup> M812ML-8FL-SD <sup>10*</sup>	- -
	Shielded	UL20549, PUR UL2517, PVC	M8S12ML-SFL-SB <sup>10*</sup> M8S12ML-SFL-SD <sup>10*</sup>	- -
	Stainless	UL20549, PUR UL2517, PVC	SM812ML-8FL-SB <sup>10*</sup> SM812ML-8FL-SD <sup>10*</sup>	- -
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S12ML-SFL-SB <sup>10*</sup> SM8S12ML-SFL-SD <sup>10*</sup>	- -

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p> 	Plastic	UL20549, PUR UL2517, PVC	M8P12MR-8PFR-SB <sup>10*</sup> M8P12MR-8PFR-SD <sup>10*</sup>	- -
	Plastic (Snap-in, IP65)	UL20549, PUR UL2517, PVC	- -	- -
	Metal Nut	UL20549, PUR UL2517, PVC	M812MR-8FR-SB <sup>10*</sup> M812MR-8FR-SD <sup>10*</sup>	- -
	Shielded	UL20549, PUR UL2517, PVC	M8S12MR-SFR-SB <sup>10*</sup> M8S12MR-SFR-SD <sup>10*</sup>	- -
	Stainless	UL20549, PUR UL2517, PVC	SM812MR-8FR-SB <sup>10*</sup> SM812MR-8FR-SD <sup>10*</sup>	- -
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S12MR-SFR-SB <sup>10*</sup> SM8S12MR-SFR-SD <sup>10*</sup>	- -

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67


<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: **(M)** MM, **(F)** FF

<p>(MF, Plastic/Metal)      (FM, Plastic/Metal)</p>   <p>(MF, Shielded)      (FM, Shielded)</p>  	Plastic	UL20549, PUR UL2517, PVC	M8P12ML-8PFR-SB <sup>10*</sup> M8P12ML-8PFR-SD <sup>10*</sup>	M8P12FL-8PMR-SB <sup>10*</sup> M8P12FL-8PMR-SD <sup>10*</sup>
	Plastic (Snap-in, IP65) (Only Straight is Snap-in)	UL20549, PUR UL2517, PVC	M8P12ML-8PFR-QB <sup>10*</sup> M8P12ML-8PFR-QD <sup>10*</sup>	M8P12FL-8PMR-QB <sup>10*</sup> M8P12FL-8PMR-QD <sup>10*</sup>
	Metal Nut	UL20549, PUR UL2517, PVC	M812ML-8FR-SB <sup>10*</sup> M812ML-8FR-SD <sup>10*</sup>	M812FL-8MR-SB <sup>10*</sup> M812FL-8MR-SD <sup>10*</sup>
	Shielded	UL20549, PUR UL2517, PVC	M8S12ML-SFR-SB <sup>10*</sup> M8S12ML-SFR-SD <sup>10*</sup>	M8S12FL-SMR-SB <sup>10*</sup> M8S12FL-SMR-SD <sup>10*</sup>
	Stainless	UL20549, PUR UL2517, PVC	SM812ML-8FR-SB <sup>10*</sup> SM812ML-8FR-SD <sup>10*</sup>	SM812FL-8MR-SB <sup>10*</sup> SM812FL-8MR-SD <sup>10*</sup>
	Stainless Shielded	UL20549, PUR UL2517, PVC	SM8S12ML-SFR-SB <sup>10*</sup> SM8S12ML-SFR-SD <sup>10*</sup>	SM8S12FL-SMR-SB <sup>10*</sup> SM8S12FL-SMR-SD <sup>10*</sup>

\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

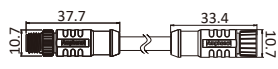
# M8 / Guided M8 Overmolded Cable

	M8
Number of Contacts	13
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	0.5A
Pin Assignment	MF <span style="margin-left: 100px;">FM</span>
MM: Male Connector Male Contact FF: Female Connector Female Contact	

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup>

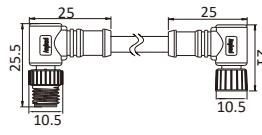
Connector / Contact Gender: **(M)** MM, **(F)** FF


<p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p> 	Plastic	UL20549, PUR	M8P13 <b>ML</b> -8PFL-SB <sup>10</sup> *	-
		UL2517, PVC	M8P13 <b>ML</b> -8PFL-SD <sup>10</sup> *	-
	Plastic (Snap-in, IP65)	UL20549, PUR	M8P13 <b>ML</b> -8PFL-QB <sup>10</sup> *	-
		UL2517, PVC	M8P13 <b>ML</b> -8PFL-QD <sup>10</sup> *	-
	Metal Nut	UL20549, PUR	M813 <b>ML</b> -8FL-SB <sup>10</sup> *	-
		UL2517, PVC	M813 <b>ML</b> -8FL-SD <sup>10</sup> *	-
	Shielded	UL20549, PUR	M8S13 <b>ML</b> -SFL-SB <sup>10</sup> *	-
		UL2517, PVC	M8S13 <b>ML</b> -SFL-SD <sup>10</sup> *	-
	Stainless	UL20549, PUR	SM813 <b>ML</b> -8FL-SB <sup>10</sup> *	-
		UL2517, PVC	SM813 <b>ML</b> -8FL-SD <sup>10</sup> *	-
	Stainless Shielded	UL20549, PUR	SM8S13 <b>ML</b> -SFL-SB <sup>10</sup> *	-
		UL2517, PVC	SM8S13 <b>ML</b> -SFL-SD <sup>10</sup> *	-

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup>

Connector / Contact Gender: **(M)** MM, **(F)** FF

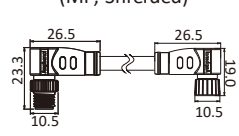
<p>(MF, Plastic/Metal)</p> 	Plastic	UL20549, PUR	M8P13 <b>MR</b> -8PFR-SB <sup>10</sup> *	-
		UL2517, PVC	M8P13 <b>MR</b> -8PFR-SD <sup>10</sup> *	-
	Plastic (Snap-in, IP65)	UL20549, PUR	-	-
		UL2517, PVC	-	-
	Metal Nut	UL20549, PUR	M813 <b>MR</b> -8FR-SB <sup>10</sup> *	-
		UL2517, PVC	M813 <b>MR</b> -8FR-SD <sup>10</sup> *	-

	M8
Number of Contacts	13
Coding	A
Rated Voltage (AC/DC)	30V
Nominal current	0.5A
Pin Assignment	MF      FM
MM: Male Connector Male Contact FF: Female Connector Female Contact	

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup>

Connector / Contact Gender: **(M)** MM, **(F)** FF

 <p>(MF, Shielded)</p>	Shielded	UL20549, PUR	M8S13MR-SFR-SB <sup>10</sup> *	-
		UL2517, PVC	M8S13MR-SFR-SD <sup>10</sup> *	-
	Stainless	UL20549, PUR	SM813MR-8FR-SB <sup>10</sup> *	-
		UL2517, PVC	SM813MR-8FR-SD <sup>10</sup> *	-
	Stainless Shielded	UL20549, PUR	SM8S13MR-SFR-SB <sup>10</sup> *	-
		UL2517, PVC	SM8S13MR-SFR-SD <sup>10</sup> *	-

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67

<sup>10</sup> Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup>

Connector / Contact Gender: **(M)** MM, **(F)** FF

 <p>(MF, Plastic/Metal)</p>  <p>(MF, Shielded)</p>  <p>(FM, Plastic/Metal)</p>  <p>(FM, Shielded)</p>	Plastic	UL20549, PUR	M8P13ML-8PFR-SB <sup>10</sup> *	M8P13FL-8PMR-SB <sup>10</sup> *
		UL2517, PVC	M8P13ML-8PFR-SD <sup>10</sup> *	M8P13FL-8PMR-SD <sup>10</sup> *
	Plastic(Snap-in, IP65) (Only Straight is Snap-in)	UL20549, PUR	M8P13ML-8PFR-QB <sup>10</sup> *	M8P13FL-8PMR-QB <sup>10</sup> *
		UL2517, PVC	M8P13ML-8PFR-QD <sup>10</sup> *	M8P13FL-8PMR-QD <sup>10</sup> *
	Metal Nut	UL20549, PUR	M813ML-8FR-SB <sup>10</sup> *	M813FL-8MR-SB <sup>10</sup> *
		UL2517, PVC	M813ML-8FR-SD <sup>10</sup> *	M813FL-8MR-SD <sup>10</sup> *
	Shielded	UL20549, PUR	M8S13ML-SFR-SB <sup>10</sup> *	M8S13FL-SMR-SB <sup>10</sup> *
		UL2517, PVC	M8S13ML-SFR-SD <sup>10</sup> *	M8S13FL-SMR-SD <sup>10</sup> *
	Stainless	UL20549, PUR	SM813ML-8FR-SB <sup>10</sup> *	SM813FL-8MR-SB <sup>10</sup> *
		UL2517, PVC	SM813ML-8FR-SD <sup>10</sup> *	SM813FL-8MR-SD <sup>10</sup> *
	Stainless Shielded	UL20549, PUR	SM8S13ML-SFR-SB <sup>10</sup> *	SM8S13FL-SMR-SB <sup>10</sup> *
		UL2517, PVC	SM8S13ML-SFR-SD <sup>10</sup> *	SM8S13FL-SMR-SD <sup>10</sup> *

\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths



Assemble Style



Solder  
(A) Field Serviceable/Installable



Screw In  
(B) Field Serviceable/Installable



Crimp  
(C) Field Serviceable/Installable



IDC  
(D) Field Serviceable/Installable

	G8
Number of Contacts	2
Coding	A
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	MMFF
MM: Male Connector Male Contact FF: Female Connector Female Contact	

Field Serviceable/Installable, **STRAIGHT**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

	Plastic	Solder Pins	8AP-02B <b>MM</b> A-SL7001*	8AP-02B <b>FF</b> A-SL7001*
		Screw-in	8AP-02B <b>MM</b> B-SL7001*	8AP-02B <b>FF</b> B-SL7001*
		Crimp	8AP-02B <b>MM</b> C-SL7001*	8AP-02B <b>FF</b> C-SL7001*
		IDC	8AP-02B <b>MM</b> D-SL7001*	8AP-02B <b>FF</b> D-SL7001*
	Metal Nut	Solder Pins	8A-02B <b>MM</b> A-SL7001*	8A-02B <b>FF</b> A-SL7001*
		Screw-in	8A-02B <b>MM</b> B-SL7001*	8A-02B <b>FF</b> B-SL7001*
		Crimp	8A-02B <b>MM</b> C-SL7001*	8A-02B <b>FF</b> C-SL7001*
		IDC	8A-02B <b>MM</b> D-SL7001*	8A-02B <b>FF</b> D-SL7001*
	Shielded	Solder Pins	M8AS-02B <b>MM</b> A-SL7001*	M8AS-02B <b>FF</b> A-SL7001*
		Screw-in	M8AS-02B <b>MM</b> B-SL7001*	M8AS-02B <b>FF</b> B-SL7001*
		Crimp	M8AS-02B <b>MM</b> C-SL7001*	M8AS-02B <b>FF</b> C-SL7001*
		IDC	M8AS-02B <b>MM</b> D-SL7001*	M8AS-02B <b>FF</b> D-SL7001*
	Stainless	Solder Pins	SM8A-02B <b>MM</b> A-SL7001*	SM8A-02B <b>FF</b> A-SL7001*
		Screw-in	SM8A-02B <b>MM</b> B-SL7001*	SM8A-02B <b>FF</b> B-SL7001*
		Crimp	SM8A-02B <b>MM</b> C-SL7001*	SM8A-02B <b>FF</b> C-SL7001*
		IDC	SM8A-02B <b>MM</b> D-SL7001*	SM8A-02B <b>FF</b> D-SL7001*
	Stainless Shielded	Solder Pins	SM8AS-02B <b>MM</b> A-SL7001*	SM8AS-02B <b>FF</b> A-SL7001*
		Screw-in	SM8AS-02B <b>MM</b> B-SL7001*	SM8AS-02B <b>FF</b> B-SL7001*
		Crimp	SM8AS-02B <b>MM</b> C-SL7001*	SM8AS-02B <b>FF</b> C-SL7001*
		IDC	SM8AS-02B <b>MM</b> D-SL7001*	SM8AS-02B <b>FF</b> D-SL7001*

Field Serviceable/Installable, **RIGHT ANGLE**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

	Plastic	Solder Pins	8AP-02B <b>MM</b> A-SR7001*	8AP-02B <b>FF</b> A-SR7001*
		Screw-in	8AP-02B <b>MM</b> B-SR7001*	8AP-02B <b>FF</b> B-SR7001*
	Metal Nut	Solder Pins	8A-02B <b>MM</b> A-SR7001*	8A-02B <b>FF</b> A-SR7001*
		Screw-in	8A-02B <b>MM</b> B-SR7001*	8A-02B <b>FF</b> B-SR7001*
	Shielded	Solder Pins	M8AS-02B <b>MM</b> A-SR7001*	M8AS-02B <b>FF</b> A-SR7001*
		Screw-in	M8AS-02B <b>MM</b> B-SR7001*	M8AS-02B <b>FF</b> B-SR7001*
	Stainless	Solder Pins	SM8A-02B <b>MM</b> A-SR7001*	SM8A-02B <b>FF</b> A-SR7001*
		Screw-in	SM8A-02B <b>MM</b> B-SR7001*	SM8A-02B <b>FF</b> B-SR7001*
	Stainless Shielded	Solder Pins	SM8AS-02B <b>MM</b> A-SR7001*	SM8AS-02B <b>FF</b> A-SR7001*
		Screw-in	SM8AS-02B <b>MM</b> B-SR7001*	SM8AS-02B <b>FF</b> B-SR7001*

\* Upon Request


Assemble Style



Solder  
(A) Field Serviceable/Installable




Screw In  
(B) Field Serviceable/Installable



Crimp  
(C) Field Serviceable/Installable



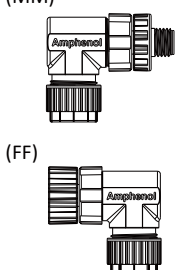
IDC  
(D) Field Serviceable/Installable

	M8	
Number of Contacts	3	
Coding	A	
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)	
Nominal current	4A	
Pin Assignment	MM	FF
MM: Male Connector Male Contact FF: Female Connector Female Contact		




Field Serviceable/Installable, **STRAIGHT**, IP67  
Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

	Plastic	Solder Pins	8P-03B <b>MM</b> A-SL7001*	8P-03B <b>FF</b> A-SL7001*
		Screw-in	8P-03B <b>MM</b> B-SL7001	8P-03B <b>FF</b> B-SL7001
		Crimp	8P-03B <b>MM</b> C-SL7001*	8P-03B <b>FF</b> C-SL7001*
		IDC	8P-03B <b>MM</b> D-SL7001*	8P-03B <b>FF</b> D-SL7001*
	Metal Nut	Solder Pins	8-03B <b>MM</b> A-SL7001*	8-03B <b>FF</b> A-SL7001*
		Screw-in	8-03B <b>MM</b> B-SL7001*	8-03B <b>FF</b> B-SL7001*
		Crimp	8-03B <b>MM</b> C-SL7001*	8-03B <b>FF</b> C-SL7001*
		IDC	8-03B <b>MM</b> D-SL7001*	8-03B <b>FF</b> D-SL7001*
	Shielded	Solder Pins	M8S-03B <b>MM</b> A-SL7001*	M8S-03B <b>FF</b> A-SL7001*
		Screw-in	M8S-03B <b>MM</b> B-SL7001*	M8S-03B <b>FF</b> B-SL7001*
		Crimp	M8S-03B <b>MM</b> C-SL7001*	M8S-03B <b>FF</b> C-SL7001*
		IDC	M8S-03B <b>MM</b> D-SL7001*	M8S-03B <b>FF</b> D-SL7001*
	Stainless	Solder Pins	SM8-03B <b>MM</b> A-SL7001*	SM8-03B <b>FF</b> A-SL7001*
		Screw-in	SM8-03B <b>MM</b> B-SL7001*	SM8-03B <b>FF</b> B-SL7001*
		Crimp	SM8-03B <b>MM</b> C-SL7001*	SM8-03B <b>FF</b> C-SL7001*
		IDC	SM8-03B <b>MM</b> D-SL7001*	SM8-03B <b>FF</b> D-SL7001*
	Stainless Shielded	Solder Pins	SM8S-03B <b>MM</b> A-SL7001*	SM8S-03B <b>FF</b> A-SL7001*
		Screw-in	SM8S-03B <b>MM</b> B-SL7001*	SM8S-03B <b>FF</b> B-SL7001*
		Crimp	SM8S-03B <b>MM</b> C-SL7001*	SM8S-03B <b>FF</b> C-SL7001*
		IDC	SM8S-03B <b>MM</b> D-SL7001*	SM8S-03B <b>FF</b> D-SL7001*

Field Serviceable/Installable, **RIGHT ANGLE**, IP67  
Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

	Plastic	Solder Pins	8P-03B <b>MM</b> A-SR7001*	8P-03B <b>FF</b> A-SR7001*
		Screw-in	8P-03B <b>MM</b> B-SR7001*	8P-03B <b>FF</b> B-SR7001*
	Metal Nut	Solder Pins	8-03B <b>MM</b> A-SR7001*	8-03B <b>FF</b> A-SR7001*
		Screw-in	8-03B <b>MM</b> B-SR7001*	8-03B <b>FF</b> B-SR7001*
	Shielded	Solder Pins	M8S-03B <b>MM</b> A-SR7001*	M8S-03B <b>FF</b> A-SR7001*
		Screw-in	M8S-03B <b>MM</b> B-SR7001*	M8S-03B <b>FF</b> B-SR7001*
	Stainless	Solder Pins	SM8-03B <b>MM</b> A-SR7001*	SM8-03B <b>FF</b> A-SR7001*
		Screw-in	SM8-03B <b>MM</b> B-SR7001*	SM8-03B <b>FF</b> B-SR7001*
	Stainless Shielded	Solder Pins	SM8S-03B <b>MM</b> A-SR7001*	SM8S-03B <b>FF</b> A-SR7001*
		Screw-in	SM8S-03B <b>MM</b> B-SR7001*	SM8S-03B <b>FF</b> B-SR7001*

\* Upon Request

G8		M8		G8	
3		4		4	
A		A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
					
8AP-03B <b>MM</b> A-SL7001*	8AP-03B <b>FF</b> A-SL7001*	8P-04B <b>MM</b> A-SL7001*	8P-04B <b>FF</b> A-SL7001*	8AP-04B <b>MM</b> A-SL7001*	8AP-04B <b>FF</b> A-SL7001*
8AP-03B <b>MM</b> B-SL7001*	8AP-03B <b>FF</b> B-SL7001*	8P-04B <b>MM</b> B-SL7001	8P-04B <b>FF</b> B-SL7001	8AP-04B <b>MM</b> B-SL7001*	8AP-04B <b>FF</b> B-SL7001*
8AP-03B <b>MM</b> C-SL7001*	8AP-03B <b>FF</b> C-SL7001*	8P-04B <b>MM</b> C-SL7001*	8P-04B <b>FF</b> C-SL7001*	8AP-04B <b>MM</b> C-SL7001*	8AP-04B <b>FF</b> C-SL7001*
8AP-03B <b>MM</b> D-SL7001*	8AP-03B <b>FF</b> D-SL7001*	8P-04B <b>MM</b> D-SL7001*	8P-04B <b>FF</b> D-SL7001*	8AP-04B <b>MM</b> D-SL7001*	8AP-04B <b>FF</b> D-SL7001*
8A-03B <b>MM</b> A-SL7001*	8A-03B <b>FF</b> A-SL7001*	8-04B <b>MM</b> A-SL7001*	8-04B <b>FF</b> A-SL7001*	8A-04B <b>MM</b> A-SL7001*	8A-04B <b>FF</b> A-SL7001*
8A-03B <b>MM</b> B-SL7001*	8A-03B <b>FF</b> B-SL7001*	8-04B <b>MM</b> B-SL7001*	8-04B <b>FF</b> B-SL7001*	8A-04B <b>MM</b> B-SL7001*	8A-04B <b>FF</b> B-SL7001*
8A-03B <b>MM</b> C-SL7001*	8A-03B <b>FF</b> C-SL7001*	8-04B <b>MM</b> C-SL7001*	8-04B <b>FF</b> C-SL7001*	8A-04B <b>MM</b> C-SL7001*	8A-04B <b>FF</b> C-SL7001*
8A-03B <b>MM</b> D-SL7001*	8A-03B <b>FF</b> D-SL7001*	8-04B <b>MM</b> D-SL7001*	8-04B <b>FF</b> D-SL7001*	8A-04B <b>MM</b> D-SL7001*	8A-04B <b>FF</b> D-SL7001*
M8AS-03B <b>MM</b> A-SL7001*	M8AS-03B <b>FF</b> A-SL7001*	M8S-04B <b>MM</b> A-SL7001*	M8S-04B <b>FF</b> A-SL7001*	M8AS-04B <b>MM</b> A-SL7001*	M8AS-04B <b>FF</b> A-SL7001*
M8AS-03B <b>MM</b> B-SL7001*	M8AS-03B <b>FF</b> B-SL7001*	M8S-04B <b>MM</b> B-SL7001*	M8S-04B <b>FF</b> B-SL7001*	M8AS-04B <b>MM</b> B-SL7001*	M8AS-04B <b>FF</b> B-SL7001*
M8AS-03B <b>MM</b> C-SL7001*	M8AS-03B <b>FF</b> C-SL7001*	M8S-04B <b>MM</b> C-SL7001*	M8S-04B <b>FF</b> C-SL7001*	M8AS-04B <b>MM</b> C-SL7001*	M8AS-04B <b>FF</b> C-SL7001*
M8AS-03B <b>MM</b> D-SL7001*	M8AS-03B <b>FF</b> D-SL7001*	M8S-04B <b>MM</b> D-SL7001*	M8S-04B <b>FF</b> D-SL7001*	M8AS-04B <b>MM</b> D-SL7001*	M8AS-04B <b>FF</b> D-SL7001*
SM8A-03B <b>MM</b> A-SL7001*	SM8A-03B <b>FF</b> A-SL7001*	SM8-04B <b>MM</b> A-SL7001*	SM8-04B <b>FF</b> A-SL7001*	SM8A-04B <b>MM</b> A-SL7001*	SM8A-04B <b>FF</b> A-SL7001*
SM8A-03B <b>MM</b> B-SL7001*	SM8A-03B <b>FF</b> B-SL7001*	SM8-04B <b>MM</b> B-SL7001*	SM8-04B <b>FF</b> B-SL7001*	SM8A-04B <b>MM</b> B-SL7001*	SM8A-04B <b>FF</b> B-SL7001*
SM8A-03B <b>MM</b> C-SL7001*	SM8A-03B <b>FF</b> C-SL7001*	SM8-04B <b>MM</b> C-SL7001*	SM8-04B <b>FF</b> C-SL7001*	SM8A-04B <b>MM</b> C-SL7001*	SM8A-04B <b>FF</b> C-SL7001*
SM8A-03B <b>MM</b> D-SL7001*	SM8A-03B <b>FF</b> D-SL7001*	SM8-04B <b>MM</b> D-SL7001*	SM8-04B <b>FF</b> D-SL7001*	SM8A-04B <b>MM</b> D-SL7001*	SM8A-04B <b>FF</b> D-SL7001*
SM8AS-03B <b>MM</b> A-SL7001*	SM8AS-03B <b>FF</b> A-SL7001*	SM8S-04B <b>MM</b> A-SL7001*	SM8S-04B <b>FF</b> A-SL7001*	SM8AS-04B <b>MM</b> A-SL7001*	SM8AS-04B <b>FF</b> A-SL7001*
SM8AS-03B <b>MM</b> B-SL7001*	SM8AS-03B <b>FF</b> B-SL7001*	SM8S-04B <b>MM</b> B-SL7001*	SM8S-04B <b>FF</b> B-SL7001*	SM8AS-04B <b>MM</b> B-SL7001*	SM8AS-04B <b>FF</b> B-SL7001*
SM8AS-03B <b>MM</b> C-SL7001*	SM8AS-03B <b>FF</b> C-SL7001*	SM8S-04B <b>MM</b> C-SL7001*	SM8S-04B <b>FF</b> C-SL7001*	SM8AS-04B <b>MM</b> C-SL7001*	SM8AS-04B <b>FF</b> C-SL7001*
SM8AS-03B <b>MM</b> D-SL7001*	SM8AS-03B <b>FF</b> D-SL7001*	SM8S-04B <b>MM</b> D-SL7001*	SM8S-04B <b>FF</b> D-SL7001*	SM8AS-04B <b>MM</b> D-SL7001*	SM8AS-04B <b>FF</b> D-SL7001*
8AP-03B <b>MM</b> A-SR7001*	8AP-03B <b>FF</b> A-SR7001*	8P-04B <b>MM</b> A-SR7001*	8P-04B <b>FF</b> A-SR7001*	8AP-04B <b>MM</b> A-SR7001*	8AP-04B <b>FF</b> A-SR7001*
8AP-03B <b>MM</b> B-SR7001*	8AP-03B <b>FF</b> B-SR7001*	8P-04B <b>MM</b> B-SR7001*	8P-04B <b>FF</b> B-SR7001*	8AP-04B <b>MM</b> B-SR7001*	8AP-04B <b>FF</b> B-SR7001*
8A-03B <b>MM</b> A-SR7001*	8A-03B <b>FF</b> A-SR7001*	8-04B <b>MM</b> A-SR7001*	8-04B <b>FF</b> A-SR7001*	8A-04B <b>MM</b> A-SR7001*	8A-04B <b>FF</b> A-SR7001*
8A-03B <b>MM</b> B-SR7001*	8A-03B <b>FF</b> B-SR7001*	8-04B <b>MM</b> B-SR7001*	8-04B <b>FF</b> B-SR7001*	8A-04B <b>MM</b> B-SR7001*	8A-04B <b>FF</b> B-SR7001*
M8AS-03B <b>MM</b> A-SR7001*	M8AS-03B <b>FF</b> A-SR7001*	M8S-04B <b>MM</b> A-SR7001*	M8S-04B <b>FF</b> A-SR7001*	M8AS-04B <b>MM</b> A-SR7001*	M8AS-04B <b>FF</b> A-SR7001*
M8AS-03B <b>MM</b> B-SR7001*	M8AS-03B <b>FF</b> B-SR7001*	M8S-04B <b>MM</b> B-SR7001*	M8S-04B <b>FF</b> B-SR7001*	M8AS-04B <b>MM</b> B-SR7001*	M8AS-04B <b>FF</b> B-SR7001*
SM8A-03B <b>MM</b> A-SR7001*	SM8A-03B <b>FF</b> A-SR7001*	SM8-04B <b>MM</b> A-SR7001*	SM8-04B <b>FF</b> A-SR7001*	SM8A-04B <b>MM</b> A-SR7001*	SM8A-04B <b>FF</b> A-SR7001*
SM8A-03B <b>MM</b> B-SR7001*	SM8A-03B <b>FF</b> B-SR7001*	SM8-04B <b>MM</b> B-SR7001*	SM8-04B <b>FF</b> B-SR7001*	SM8A-04B <b>MM</b> B-SR7001*	SM8A-04B <b>FF</b> B-SR7001*
SM8AS-03B <b>MM</b> A-SR7001*	SM8AS-03B <b>FF</b> A-SR7001*	SM8S-04B <b>MM</b> A-SR7001*	SM8S-04B <b>FF</b> A-SR7001*	SM8AS-04B <b>MM</b> A-SR7001*	SM8AS-04B <b>FF</b> A-SR7001*
SM8AS-03B <b>MM</b> B-SR7001*	SM8AS-03B <b>FF</b> B-SR7001*	SM8S-04B <b>MM</b> B-SR7001*	SM8S-04B <b>FF</b> B-SR7001*	SM8AS-04B <b>MM</b> B-SR7001*	SM8AS-04B <b>FF</b> B-SR7001*

Assemble Style



Solder

(A) Field Serviceable/Installable



Screw In

(B) Field Serviceable/Installable



Crimp

(C) Field Serviceable/Installable



IDC

(D) Field Serviceable/Installable

	M8	
Number of Contacts	4	
Coding	D	
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)	
Nominal current	4A	
Pin Assignment	MM	FF
MM : Male Connector Male Contact FF: Female Connector Female Contact		

Field Serviceable/Installable, **STRAIGHT**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm




	Plastic	Solder Pins	M8DP-04BMM <b>A</b> -SL7001*	M8DP-04BFF <b>A</b> -SL7001*
		Screw-in	M8DP-04BMM <b>B</b> -SL7001*	M8DP-04BFF <b>B</b> -SL7001*
		Crimp	M8DP-04BMM <b>C</b> -SL7001*	M8DP-04BFF <b>C</b> -SL7001*
		IDC	M8DP-04BMM <b>D</b> -SL7001*	M8DP-04BFF <b>D</b> -SL7001*
	Metal Nut	Solder Pins	M8D-04BMM <b>A</b> -SL7001*	M8D-04BFF <b>A</b> -SL7001*
		Screw-in	M8D-04BMM <b>B</b> -SL7001*	M8D-04BFF <b>B</b> -SL7001*
		Crimp	M8D-04BMM <b>C</b> -SL7001*	M8D-04BFF <b>C</b> -SL7001*
		IDC	M8D-04BMM <b>D</b> -SL7001*	M8D-04BFF <b>D</b> -SL7001*
	Shielded	Solder Pins	M8DS-04BMM <b>A</b> -SL7001*	M8DS-04BFF <b>A</b> -SL7001*
		Screw-in	M8DS-04BMM <b>B</b> -SL7001*	M8DS-04BFF <b>B</b> -SL7001*
		Crimp	M8DS-04BMM <b>C</b> -SL7001*	M8DS-04BFF <b>C</b> -SL7001*
		IDC	M8DS-04BMM <b>D</b> -SL7001*	M8DS-04BFF <b>D</b> -SL7001*
	Stainless	Solder Pins	SM8D-04BMM <b>A</b> -SL7001*	SM8D-04BFF <b>A</b> -SL7001*
		Screw-in	SM8D-04BMM <b>B</b> -SL7001*	SM8D-04BFF <b>B</b> -SL7001*
		Crimp	SM8D-04BMM <b>C</b> -SL7001*	SM8D-04BFF <b>C</b> -SL7001*
		IDC	SM8D-04BMM <b>D</b> -SL7001*	SM8D-04BFF <b>D</b> -SL7001*
	Stainless Shielded	Solder Pins	SM8DS-04B <b>MM</b> <b>A</b> -SL7001*	SM8DS-04B <b>FF</b> <b>A</b> -SL7001*
		Screw-in	SM8DS-04B <b>MM</b> <b>B</b> -SL7001*	SM8DS-04B <b>FF</b> <b>B</b> -SL7001*
		Crimp	SM8DS-04B <b>MM</b> <b>C</b> -SL7001*	SM8DS-04B <b>FF</b> <b>C</b> -SL7001*
		IDC	SM8DS-04B <b>MM</b> <b>D</b> -SL7001*	SM8DS-04B <b>FF</b> <b>D</b> -SL7001*

Field Serviceable/Installable, **RIGHT ANGLE**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

	Plastic	Solder Pins	M8DP-04BMM <b>A</b> -SR7001*	M8DP-04BFF <b>A</b> -SR7001*
		Screw-in	M8DP-04BMM <b>B</b> -SR7001*	M8DP-04BFF <b>B</b> -SR7001*
	Metal Nut	Solder Pins	M8D-04BMM <b>A</b> -SR7001*	M8D-04BFF <b>A</b> -SR7001*
		Screw-in	M8D-04BMM <b>B</b> -SR7001*	M8D-04BFF <b>B</b> -SR7001*
	Shielded	Solder Pins	M8DS-04BMM <b>A</b> -SR7001*	M8DS-04BFF <b>A</b> -SR7001*
		Screw-in	M8DS-04BMM <b>B</b> -SR7001*	M8DS-04BFF <b>B</b> -SR7001*
	Stainless	Solder Pins	SM8D-04BMM <b>A</b> -SR7001*	SM8D-04BFF <b>A</b> -SR7001*
		Screw-in	SM8D-04BMM <b>B</b> -SR7001*	SM8D-04BFF <b>B</b> -SR7001*
	Stainless Shielded	Solder Pins	SM8DS-04BMM <b>A</b> -SR7001*	SM8DS-04BFF <b>A</b> -SR7001*
		Screw-in	SM8DS-04BMM <b>B</b> -SR7001*	SM8DS-04BFF <b>B</b> -SR7001*

\* Upon Request

G8		M8		G8	
5		5		5 (3+2)	
A		B		H	
30V		30V		30V	
2A		3A		3A+1.5A	
MM	FF	MM	FF	MM	FF
					
8AP-05B <b>MM</b> A-SL7001*	8AP-05B <b>FF</b> A-SL7001*	M8BP-05B <b>MM</b> A-SL7001*	M8BP-05B <b>FF</b> A-SL7001*	8HP-05B <b>MM</b> A-SL7001*	8HP-05B <b>FF</b> A-SL7001*
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
8A-05B <b>MM</b> A-SL7001*	8A-05B <b>FF</b> A-SL7001*	M8B-05B <b>MM</b> A-SL7001*	M8B-05B <b>FF</b> A-SL7001*	8H-05B <b>MM</b> A-SL7001*	8H-05B <b>FF</b> A-SL7001*
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
M8AS-05B <b>MM</b> A-SL7001*	M8AS-05B <b>FF</b> A-SL7001*	M8BS-05B <b>MM</b> A-SL7001*	M8BS-05B <b>FF</b> A-SL7001*	M8HS-05B <b>MM</b> A-SL7001*	M8HS-05B <b>FF</b> A-SL7001*
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
SM8A-05B <b>MM</b> A-SL7001*	SM8A-05B <b>FF</b> A-SL7001*	SM8B-05B <b>MM</b> A-SL7001*	SM8B-05B <b>FF</b> A-SL7001*	SM8H-05B <b>MM</b> A-SL7001*	SM8H-05B <b>FF</b> A-SL7001*
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
SM8AS-05B <b>MM</b> A-SL7001*	SM8AS-05B <b>FF</b> A-SL7001*	SM8BS-05B <b>MM</b> A-SL7001*	SM8BS-05B <b>FF</b> A-SL7001*	SM8HS-05B <b>MM</b> A-SL7001*	SM8HS-05B <b>FF</b> A-SL7001*
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
8AP-05B <b>MM</b> A-SR7001*	8AP-05B <b>FF</b> A-SR7001*	M8BP-05B <b>MM</b> A-SR7001*	M8BP-05B <b>FF</b> A-SR7001*	8HP-05B <b>MM</b> A-SR7001*	8HP-05B <b>FF</b> A-SR7001*
-	-	-	-	-	-
8A-05B <b>MM</b> A-SR7001*	8A-05B <b>FF</b> A-SR7001*	M8B-05B <b>MM</b> A-SR7001*	M8B-05B <b>FF</b> A-SR7001*	8H-05B <b>MM</b> A-SR7001*	8H-05B <b>FF</b> A-SR7001*
-	-	-	-	-	-
M8AS-05B <b>MM</b> A-SR7001*	M8AS-05B <b>FF</b> A-SR7001*	M8BS-05B <b>MM</b> A-SR7001*	M8BS-05B <b>FF</b> A-SR7001*	M8HS-05B <b>MM</b> A-SR7001*	M8HS-05B <b>FF</b> A-SR7001*
M8AS-05B <b>MM</b> B-SR7001*	M8AS-05B <b>FF</b> B-SR7001*	M8BS-05B <b>MM</b> B-SR7001*	M8BS-05B <b>FF</b> B-SR7001*	M8HS-05B <b>MM</b> B-SR7001*	M8HS-05B <b>FF</b> B-SR7001*
SM8A-05B <b>MM</b> A-SR7001*	SM8A-05B <b>FF</b> A-SR7001*	SM8B-05B <b>MM</b> A-SR7001*	SM8B-05B <b>FF</b> A-SR7001*	SM8H-05B <b>MM</b> A-SR7001*	SM8H-05B <b>FF</b> A-SR7001*
SM8A-05B <b>MM</b> B-SR7001*	SM8A-05B <b>FF</b> B-SR7001*	SM8B-05B <b>MM</b> B-SR7001*	SM8B-05B <b>FF</b> B-SR7001*	SM8H-05B <b>MM</b> B-SR7001*	SM8H-05B <b>FF</b> B-SR7001*
SM8AS-05B <b>MM</b> A-SR7001*	SM8AS-05B <b>FF</b> A-SR7001*	SM8BS-05B <b>MM</b> A-SR7001*	SM8BS-05B <b>FF</b> A-SR7001*	SM8HS-05B <b>MM</b> A-SR7001*	SM8HS-05B <b>FF</b> A-SR7001*
SM8AS-05B <b>MM</b> B-SR7001*	SM8AS-05B <b>FF</b> B-SR7001*	SM8BS-05B <b>MM</b> B-SR7001*	SM8BS-05B <b>FF</b> B-SR7001*	SM8HS-05B <b>MM</b> B-SR7001*	SM8HS-05B <b>FF</b> B-SR7001*

## Assemble Style



Solder

(A) Field Serviceable/Installable



Screw In

(B) Field Serviceable/Installable

	M8		G8	
Number of Contacts	6		6	
Coding	A		A	
Rated Voltage (AC/DC)	30V		30V	
Nominal current	1.5A		2A	
Pin Assignment	MM	FF	MM	FF
<b>MM:</b> Male Connector Male Contact <b>FF:</b> Female Connector Female Contact				

Field Serviceable/Installable, **STRAIGHT**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

<div>(MM, Plastic)</div> <div>(FF, Plastic)</div>	Plastic	Solder Pins	8P-06B <b>MM</b> A-SL7001*	8P-06B <b>FF</b> A-SL7001*	8AP-06B <b>MM</b> A-SL7001*	8AP-06B <b>FF</b> A-SL7001*
	Metal Nut	Solder Pins	8-06B <b>MM</b> A-SL7001*	8-06B <b>FF</b> A-SL7001*	8A-06B <b>MM</b> A-SL7001*	8A-06B <b>FF</b> A-SL7001*
	Shielded	Solder Pins	M8S-06B <b>MM</b> A-SL7001*	M8S-06B <b>FF</b> A-SL7001*	M8AS-06B <b>MM</b> A-SL7001*	M8AS-06B <b>FF</b> A-SL7001*
	Stainless	Solder Pins	SM8-06B <b>MM</b> A-SL7001*	SM8-06B <b>FF</b> A-SL7001*	SM8A-06B <b>MM</b> A-SL7001*	SM8A-06B <b>FF</b> A-SL7001*
	Stainless Shielded	Solder Pins	SM8S-06B <b>MM</b> A-SL7001*	SM8S-06B <b>FF</b> A-SL7001*	SM8AS-06B <b>MM</b> A-SL7001*	SM8AS-06B <b>FF</b> A-SL7001*




Field Serviceable/Installable, **RIGHT ANGLE**, IP67

Sealing Nut Torque Value: 5 ~ 8 kgf-cm | Recommended Cable O.D.: 4.5mm ~ 6.5mm

<div>(MM)</div> <div>(FF)</div>	Plastic	Solder Pins	8P-06B <b>MM</b> A-SR7001*	8P-06B <b>FF</b> A-SR7001*	8AP-06B <b>MM</b> A-SR7001*	8AP-06B <b>FF</b> A-SR7001*
	Metal Nut	Solder Pins	8-06B <b>MM</b> A-SR7001*	8-06B <b>FF</b> A-SR7001*	8A-06B <b>MM</b> A-SR7001*	8A-06B <b>FF</b> A-SR7001*
	Shielded	Solder Pins	M8S-06B <b>MM</b> A-SR7001*	M8S-06B <b>FF</b> A-SR7001*	M8AS-06B <b>MM</b> A-SR7001*	M8AS-06B <b>FF</b> A-SR7001*
		Screw-in	M8S-06B <b>MM</b> B-SR7001*	M8S-06B <b>FF</b> B-SR7001*	M8AS-06B <b>MM</b> B-SR7001*	M8AS-06B <b>FF</b> B-SR7001*
	Stainless	Solder Pins	SM8-06B <b>MM</b> A-SR7001*	SM8-06B <b>FF</b> A-SR7001*	SM8A-06B <b>MM</b> A-SR7001*	SM8A-06B <b>FF</b> A-SR7001*
		Screw-in	SM8-06B <b>MM</b> B-SR7001*	SM8-06B <b>FF</b> B-SR7001*	SM8A-06B <b>MM</b> B-SR7001*	SM8A-06B <b>FF</b> B-SR7001*
	Stainless Shielded	Solder Pins	SM8S-06B <b>MM</b> A-SR7001*	SM8S-06B <b>FF</b> A-SR7001*	SM8AS-06B <b>MM</b> A-SR7001*	SM8AS-06B <b>FF</b> A-SR7001*
		Screw-in	SM8S-06B <b>MM</b> B-SR7001*	SM8S-06B <b>FF</b> B-SR7001*	SM8AS-06B <b>MM</b> B-SR7001*	SM8AS-06B <b>FF</b> B-SR7001*

\* Upon Request



M8		M8		M8	
8		12		13	
A		A		A	
30V		30V		30V	
1.5A		1A		0.5A	
MM	FF	MM	FF	MM	FF
					
8P-08B <b>MMA</b> -SL7001*	8P-08B <b>FFA</b> -SL7001*	M8P-12B <b>MMA</b> -SL7001*	M8P-12B <b>FFA</b> -SL7001*	M8P-13B <b>MMA</b> -SL7001*	M8P-13B <b>FFA</b> -SL7001*
8-08B <b>MMA</b> -SL7001*	8-08B <b>FFA</b> -SL7001*	M8-12B <b>MMA</b> -SL7001*	M8-12B <b>FFA</b> -SL7001*	M8-13B <b>MMA</b> -SL7001*	M8-13B <b>FFA</b> -SL7001*
M8S-08B <b>MMA</b> -SL7001*	M8S-08B <b>FFA</b> -SL7001*	M8S-12B <b>MMA</b> -SL7001*	M8S-12B <b>FFA</b> -SL7001*	M8S-13B <b>MMA</b> -SL7001*	M8S-13B <b>FFA</b> -SL7001*
SM8-08B <b>MMA</b> -SL7001*	SM8-08B <b>FFA</b> -SL7001*	SM8-12B <b>MMA</b> -SL7001*	SM8-12B <b>FFA</b> -SL7001*	SM8-13B <b>MMA</b> -SL7001*	SM8-13B <b>FFA</b> -SL7001*
SM8S-08B <b>MMA</b> -SL7001*	SM8S-08B <b>FFA</b> -SL7001*	SM8S-12B <b>MMA</b> -SL7001*	SM8S-12B <b>FFA</b> -SL7001*	SM8S-13B <b>MMA</b> -SL7001*	SM8S-13B <b>FFA</b> -SL7001*
8P-08B <b>MMA</b> -SR7001*	8P-08B <b>FFA</b> -SR7001*	M8P-12B <b>MMA</b> -SR7001*	M8P-12B <b>FFA</b> -SR7001*	M8P-13B <b>MMA</b> -SR7001*	M8P-13B <b>FFA</b> -SR7001*
8-08B <b>MMA</b> -SR7001*	8-08B <b>FFA</b> -SR7001*	M8-12B <b>MMA</b> -SR7001*	M8-12B <b>FFA</b> -SR7001*	M8-13B <b>MMA</b> -SR7001*	M8-13B <b>FFA</b> -SR7001*
M8S-08B <b>MMA</b> -SR7001*	M8S-08B <b>FFA</b> -SR7001*	M8S-12B <b>MMA</b> -SR7001*	M8S-12B <b>FFA</b> -SR7001*	M8S-13B <b>MMA</b> -SR7001*	M8S-13B <b>FFA</b> -SR7001*
M8S-08B <b>MMB</b> -SR7001*	M8S-08B <b>FFB</b> -SR7001*	M8S-12B <b>MMB</b> -SR7001*	M8S-12B <b>FFB</b> -SR7001*	-	-
SM8-08B <b>MMA</b> -SR7001*	SM8-08B <b>FFA</b> -SR7001*	SM8-12B <b>MMA</b> -SR7001*	SM8-12B <b>FFA</b> -SR7001*	SM8-13B <b>MMA</b> -SR7001*	SM8-13B <b>FFA</b> -SR7001*
SM8-08B <b>MMB</b> -SR7001*	SM8-08B <b>FFB</b> -SR7001*	SM8-12B <b>MMB</b> -SR7001*	SM8-12B <b>FFB</b> -SR7001*	-	-
SM8S-08B <b>MMA</b> -SR7001*	SM8S-08B <b>FFA</b> -SR7001*	SM8S-12B <b>MMA</b> -SR7001*	SM8S-12B <b>FFA</b> -SR7001*	SM8S-13B <b>MMA</b> -SR7001*	SM8S-13B <b>FFA</b> -SR7001*
SM8S-08B <b>MMB</b> -SR7001*	SM8S-08B <b>FFB</b> -SR7001*	SM8S-12B <b>MMB</b> -SR7001*	SM8S-12B <b>FFB</b> -SR7001*	-	-

Number of Contacts		M8 LED	
Coding		3	
Rated Voltage (AC/DC)		A	
Nominal current		50V (AC) / 60V (DC)	
Pin Assignment		4A	
MM : Male Connector Male Contact FF : Female Connector Female Contact		MM	FF

## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

⑩ Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8P-03BMMM-SL7B	LM8P-03BFFM-SL7B
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8P-03BMMM-SL7D	LM8P-03BFFM-SL7D
(MM, Plastic/3 & 4 pin)	(FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	LM8P-03AMMM-QL5B	LM8P-03AFFM-QL5B
		Shielded	UL2517, PVC	LM8P-03AMMM-QL5D	LM8P-03AFFM-QL5D
(MM, Shielded)	(FF, Shielded)	Stainless	UL20549, PUR	LM8-03BMMM-SL7B	LM8-03BFFM-SL7B
		Stainless Shielded	UL2517, PVC	LM8-03BMMM-SL7D	LM8-03BFFM-SL7D
			UL20549, PUR	LM8S-03BMMM-SL7B	LM8S-03BFFM-SL7B
			UL2517, PVC	LM8S-03BMMM-SL7D	LM8S-03BFFM-SL7D
			UL20549, PUR	SLM8-03BMMM-SL7B	SLM8-03BFFM-SL7B
			UL2517, PVC	SLM8-03BMMM-SL7D	SLM8-03BFFM-SL7D
			UL20549, PUR	SLM8S-03BMMM-SL7B	SLM8S-03BFFM-SL7B
			UL2517, PVC	SLM8S-03BMMM-SL7D	SLM8S-03BFFM-SL7D

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

⑩ Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(Plastic/Metal)	(Shielded)	Plastic	UL20549, PUR	LM8P-03BMMM-SR7B	LM8P-03BFFM-SR7B
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8P-03BMMM-SR7D	LM8P-03BFFM-SR7D
(MM)	(FF)	Metal Nut	UL20549, PUR	LM8-03BMMM-SR7B	LM8-03BFFM-SR7B
		Shielded	UL2517, PVC	LM8-03BMMM-SR7D	LM8-03BFFM-SR7D
		Stainless	UL20549, PUR	LM8S-03BMMM-SR7B	LM8S-03BFFM-SR7B
		Stainless Shielded	UL2517, PVC	LM8S-03BMMM-SR7D	LM8S-03BFFM-SR7D
			UL20549, PUR	SLM8-03BMMM-SR7B	SLM8-03BFFM-SR7B
			UL2517, PVC	SLM8-03BMMM-SR7D	SLM8-03BFFM-SR7D
			UL20549, PUR	SLM8S-03BMMM-SR7B	SLM8S-03BFFM-SR7B
			UL2517, PVC	SLM8S-03BMMM-SR7D	SLM8S-03BFFM-SR7D

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8P03ML-8PML-SB	LM8P03FL-8PFL-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8P03ML-8PML-SD	LM8P03FL-8PFL-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM8P03ML-8PML-QB	LM8P03FL-8PFL-QB
		Shielded	UL2517, PVC	LM8P03ML-8PML-QD	LM8P03FL-8PFL-QD
		Stainless	UL20549, PUR	LM803ML-8ML-SB	LM803FL-8FL-SB
		Stainless Shielded	UL2517, PVC	LM803ML-8ML-SD	LM803FL-8FL-SD
			UL20549, PUR	LM803ML-8ML-SB	LM803FL-8FL-SB
			UL2517, PVC	LM803ML-8ML-SD	LM803FL-8FL-SD
			UL20549, PUR	SLM803ML-8ML-SB	SLM803FL-8FL-SB
			UL2517, PVC	SLM803ML-8ML-SD	SLM803FL-8FL-SD
			UL20549, PUR	SLM803ML-8ML-SB	SLM803FL-8FL-SB
			UL2517, PVC	SLM803ML-8ML-SD	SLM803FL-8FL-SD

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8P03ML-8PMR-SB	LM8P03FL-8PFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8P03ML-8PMR-SD	LM8P03FL-8PFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM803ML-8MR-SB	LM803FL-8FR-SB
		Shielded	UL2517, PVC	LM803ML-8MR-SD	LM803FL-8FR-SD
		Stainless	UL20549, PUR	LM803ML-8MR-SB	LM803FL-8FR-SB
		Stainless Shielded	UL2517, PVC	LM803ML-8MR-SD	LM803FL-8FR-SD
			UL20549, PUR	SLM803ML-8MR-SB	SLM803FL-8FR-SB
			UL2517, PVC	SLM803ML-8MR-SD	SLM803FL-8FR-SD
			UL20549, PUR	SLM803ML-8MR-SB	SLM803FL-8FR-SB
			UL2517, PVC	SLM803ML-8MR-SD	SLM803FL-8FR-SD




## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8P03MR-8PMR-SB	LM8P03FR-8PFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8P03MR-8PMR-SD	LM8P03FR-8PFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM803MR-8MR-SB	LM803FR-8FR-SB
		Shielded	UL2517, PVC	LM803MR-8MR-SD	LM803FR-8FR-SD
		Stainless	UL20549, PUR	LM803MR-8MR-SB	LM803FR-8FR-SB
		Stainless Shielded	UL2517, PVC	LM803MR-8MR-SD	LM803FR-8FR-SD
			UL20549, PUR	SLM803MR-8MR-SB	SLM803FR-8FR-SB
			UL2517, PVC	SLM803MR-8MR-SD	SLM803FR-8FR-SD
			UL20549, PUR	SLM803MR-8MR-SB	SLM803FR-8FR-SB
			UL2517, PVC	SLM803MR-8MR-SD	SLM803FR-8FR-SD

\* Upon Request <sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

# M8 / Guided M8 LED Overmolded Cable

G8 LED		M8 LED		G8 LED	
3		4		4	
A		A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A		4A	
MM	FF	MM	FF	MM	FF
					
LM8AP-03BMMM-SL7B	LM8AP-03BFFM-SL7B	LM8P-04BMMM-SL7B	LM8P-04BFFM-SL7B	LM8AP-04BMMM-SL7B	LM8AP-04BFFM-SL7B
LM8AP-03BMMM-SL7D	LM8AP-03BFFM-SL7D	LM8P-04BMMM-SL7D	LM8P-04BFFM-SL7D	LM8AP-04BMMM-SL7D	LM8AP-04BFFM-SL7D
LM8AP-03AMMM-QL5B	LM8AP-03AFFM-QL5B	LM8P-04AMMM-QL5B	LM8P-04AFFM-QL5B	LM8AP-04AMMM-QL5B	LM8AP-04AFFM-QL5B
LM8AP-03AMMM-QL5D	LM8AP-03AFFM-QL5D	LM8P-04AMMM-QL5D	LM8P-04AFFM-QL5D	LM8AP-04AMMM-QL5D	LM8AP-04AFFM-QL5D
LM8A-03BMMM-SL7B	LM8A-03BFFM-SL7B	LM8-04BMMM-SL7B	LM8-04BFFM-SL7B	LM8A-04BMMM-SL7B	LM8A-04BFFM-SL7B
LM8A-03BMMM-SL7D	LM8A-03BFFM-SL7D	LM8-04BMMM-SL7D	LM8-04BFFM-SL7D	LM8A-04BMMM-SL7D	LM8A-04BFFM-SL7D
LM8AS-03BMMM-SL7B	LM8AS-03BFFM-SL7B	LM8S-04BMMM-SL7B	LM8S-04BFFM-SL7B	LM8AS-04BMMM-SL7B	LM8AS-04BFFM-SL7B
LM8AS-03BMMM-SL7D	LM8AS-03BFFM-SL7D	LM8S-04BMMM-SL7D	LM8S-04BFFM-SL7D	LM8AS-04BMMM-SL7D	LM8AS-04BFFM-SL7D
SLM8A-03BMMM-SL7B	SLM8A-03BFFM-SL7B	SLM8-04BMMM-SL7B	SLM8-04BFFM-SL7B	SLM8A-04BMMM-SL7B	SLM8A-04BFFM-SL7B
SLM8A-03BMMM-SL7D	SLM8A-03BFFM-SL7D	SLM8-04BMMM-SL7D	SLM8-04BFFM-SL7D	SLM8A-04BMMM-SL7D	SLM8A-04BFFM-SL7D
SLM8AS-03BMMM-SL7B	SLM8AS-03BFFM-SL7B	SLM8S-04BMMM-SL7B	SLM8S-04BFFM-SL7B	SLM8AS-04BMMM-SL7B	SLM8AS-04BFFM-SL7B
SLM8AS-03BMMM-SL7D	SLM8AS-03BFFM-SL7D	SLM8S-04BMMM-SL7D	SLM8S-04BFFM-SL7D	SLM8AS-04BMMM-SL7D	SLM8AS-04BFFM-SL7D
LM8AP-03BMMM-SR7B	LM8AP-03BFFM-SR7B	LM8P-04BMMM-SR7B	LM8P-04BFFM-SR7B	LM8AP-04BMMM-SR7B	LM8AP-04BFFM-SR7B
LM8AP-03BMMM-SR7D	LM8AP-03BFFM-SR7D	LM8P-04BMMM-SR7D	LM8P-04BFFM-SR7D	LM8AP-04BMMM-SR7D	LM8AP-04BFFM-SR7D
LM8A-03BMMM-SR7B	LM8A-03BFFM-SR7B	LM8-04BMMM-SR7B	LM8-04BFFM-SR7B	LM8A-04BMMM-SR7B	LM8A-04BFFM-SR7B
LM8A-03BMMM-SR7D	LM8A-03BFFM-SR7D	LM8-04BMMM-SR7D	LM8-04BFFM-SR7D	LM8A-04BMMM-SR7D	LM8A-04BFFM-SR7D
LM8AS-03BMMM-SR7B	LM8AS-03BFFM-SR7B	LM8S-04BMMM-SR7B	LM8S-04BFFM-SR7B	LM8AS-04BMMM-SR7B	LM8AS-04BFFM-SR7B
LM8AS-03BMMM-SR7D	LM8AS-03BFFM-SR7D	LM8S-04BMMM-SR7D	LM8S-04BFFM-SR7D	LM8AS-04BMMM-SR7D	LM8AS-04BFFM-SR7D
SLM8A-03BMMM-SR7B	SLM8A-03BFFM-SR7B	SLM8-04BMMM-SR7B	SLM8-04BFFM-SR7B	SLM8A-04BMMM-SR7B	SLM8A-04BFFM-SR7B
SLM8A-03BMMM-SR7D	SLM8A-03BFFM-SR7D	SLM8-04BMMM-SR7D	SLM8-04BFFM-SR7D	SLM8A-04BMMM-SR7D	SLM8A-04BFFM-SR7D
SLM8AS-03BMMM-SR7B	SLM8AS-03BFFM-SR7B	SLM8S-04BMMM-SR7B	SLM8S-04BFFM-SR7B	SLM8AS-04BMMM-SR7B	SLM8AS-04BFFM-SR7B
SLM8AS-03BMMM-SR7D	SLM8AS-03BFFM-SR7D	SLM8S-04BMMM-SR7D	SLM8S-04BFFM-SR7D	SLM8AS-04BMMM-SR7D	SLM8AS-04BFFM-SR7D
LM8AP03ML-8APML-SB	LM8AP03FL-8APFL-SB	LM8P04ML-8PML-SB	LM8P04FL-8PFL-SB	LM8AP04ML-8APML-SB	LM8AP04FL-8APFL-SB
LM8AP03ML-8APML-SD	LM8AP03FL-8APFL-SD	LM8P04ML-8PML-SD	LM8P04FL-8PFL-SD	LM8AP04ML-8APML-SD	LM8AP04FL-8APFL-SD
LM8AP03ML-8APML-QB	LM8AP03FL-8APFL-QB	LM8P04ML-8PML-QB	LM8P04FL-8PFL-QB	LM8AP04ML-8APML-QB	LM8AP04FL-8APFL-QB
LM8AP03ML-8APML-QD	LM8AP03FL-8APFL-QD	LM8P04ML-8PML-QD	LM8P04FL-8PFL-QD	LM8AP04ML-8APML-QD	LM8AP04FL-8APFL-QD
LM8A03ML-8AML-SB	LM8A03FL-8AFL-SB	LM804ML-8ML-SB	LM804FL-8FL-SB	LM8A04ML-8AML-SB	LM8A04FL-8AFL-SB
LM8A03ML-8AML-SD	LM8A03FL-8AFL-SD	LM804ML-8ML-SD	LM804FL-8FL-SD	LM8A04ML-8AML-SD	LM8A04FL-8AFL-SD
LM8AS03ML-ASML-SB	LM8AS03FL-ASFL-SB	LM8S04ML-SML-SB	LM8S04FL-SFL-SB	LM8AS04ML-ASML-SB	LM8AS04FL-ASFL-SB
LM8AS03ML-ASML-SD	LM8AS03FL-ASFL-SD	LM8S04ML-SML-SD	LM8S04FL-SFL-SD	LM8AS04ML-ASML-SD	LM8AS04FL-ASFL-SD
SLM8A03ML-8AML-SB	SLM8A03FL-8AFL-SB	SLM804ML-8ML-SB	SLM804FL-8FL-SB	SLM8A04ML-8AML-SB	SLM8A04FL-8AFL-SB
SLM8A03ML-8AML-SD	SLM8A03FL-8AFL-SD	SLM804ML-8ML-SD	SLM804FL-8FL-SD	SLM8A04ML-8AML-SD	SLM8A04FL-8AFL-SD
SLM8AS03ML-ASML-SB	SLM8AS03FL-ASFL-SB	SLM8S04ML-SML-SB	SLM8S04FL-SFL-SB	SLM8AS04ML-ASML-SB	SLM8AS04FL-ASFL-SB
SLM8AS03ML-ASML-SD	SLM8AS03FL-ASFL-SD	SLM8S04ML-SML-SD	SLM8S04FL-SFL-SD	SLM8AS04ML-ASML-SD	SLM8AS04FL-ASFL-SD
LM8AP03ML-8APMR-SB	LM8AP03FL-8APFR-SB	LM8P04ML-8PMR-SB	LM8P04FL-8PFR-SB	LM8AP04ML-8APMR-SB	LM8AP04FL-8APFR-SB
LM8AP03ML-8APMR-SD	LM8AP03FL-8APFR-SD	LM8P04ML-8PMR-SD	LM8P04FL-8PFR-SD	LM8AP04ML-8APMR-SD	LM8AP04FL-8APFR-SD
LM8A03ML-8AMR-SB	LM8A03FL-8AFR-SB	LM804ML-8MR-SB	LM804FL-8FR-SB	LM8A04ML-8AMR-SB	LM8A04FL-8AFR-SB
LM8A03ML-8AMR-SD	LM8A03FL-8AFR-SD	LM804ML-8MR-SD	LM804FL-8FR-SD	LM8A04ML-8AMR-SD	LM8A04FL-8AFR-SD
LM8AS03ML-ASMR-SB	LM8AS03FL-ASFR-SB	LM8S04ML-SMR-SB	LM8S04FL-SFR-SB	LM8AS04ML-ASMR-SB	LM8AS04FL-ASFR-SB
LM8AS03ML-ASMR-SD	LM8AS03FL-ASFR-SD	LM8S04ML-SMR-SD	LM8S04FL-SFR-SD	LM8AS04ML-ASMR-SD	LM8AS04FL-ASFR-SD
SLM8A03ML-8AMR-SB	SLM8A03FL-8AFR-SB	SLM804ML-8MR-SB	SLM804FL-8FR-SB	SLM8A04ML-8AMR-SB	SLM8A04FL-8AFR-SB
SLM8A03ML-8AMR-SD	SLM8A03FL-8AFR-SD	SLM804ML-8MR-SD	SLM804FL-8FR-SD	SLM8A04ML-8AMR-SD	SLM8A04FL-8AFR-SD
SLM8AS03ML-ASMR-SB	SLM8AS03FL-ASFR-SB	SLM8S04ML-SMR-SB	SLM8S04FL-SFR-SB	SLM8AS04ML-ASMR-SB	SLM8AS04FL-ASFR-SB
SLM8AS03ML-ASMR-SD	SLM8AS03FL-ASFR-SD	SLM8S04ML-SMR-SD	SLM8S04FL-SFR-SD	SLM8AS04ML-ASMR-SD	SLM8AS04FL-ASFR-SD
LM8AP03MR-8APMR-SB	LM8AP03FR-8APFR-SB	LM8P04MR-8PMR-SB	LM8P04FR-8PFR-SB	LM8AP04MR-8APMR-SB	LM8AP04FR-8APFR-SB
LM8AP03MR-8APMR-SD	LM8AP03FR-8APFR-SD	LM8P04MR-8PMR-SD	LM8P04FR-8PFR-SD	LM8AP04MR-8APMR-SD	LM8AP04FR-8APFR-SD
LM8A03MR-8AMR-SB	LM8A03FR-8AFR-SB	LM804MR-8MR-SB	LM804FR-8FR-SB	LM8A04MR-8AMR-SB	LM8A04FR-8AFR-SB
LM8A03MR-8AMR-SD	LM8A03FR-8AFR-SD	LM804MR-8MR-SD	LM804FR-8FR-SD	LM8A04MR-8AMR-SD	LM8A04FR-8AFR-SD
LM8AS03MR-ASMR-SB	LM8AS03FR-ASFR-SB	LM8S04MR-SMR-SB	LM8S04FR-SFR-SB	LM8AS04MR-ASMR-SB	LM8AS04FR-ASFR-SB
LM8AS03MR-ASMR-SD	LM8AS03FR-ASFR-SD	LM8S04MR-SMR-SD	LM8S04FR-SFR-SD	LM8AS04MR-ASMR-SD	LM8AS04FR-ASFR-SD
SLM8A03MR-8AMR-SB	SLM8A03FR-8AFR-SB	SLM804MR-8MR-SB	SLM804FR-8FR-SB	SLM8A04MR-8AMR-SB	SLM8A04FR-8AFR-SB
SLM8A03MR-8AMR-SD	SLM8A03FR-8AFR-SD	SLM804MR-8MR-SD	SLM804FR-8FR-SD	SLM8A04MR-8AMR-SD	SLM8A04FR-8AFR-SD
SLM8AS03MR-ASMR-SB	SLM8AS03FR-ASFR-SB	SLM8S04MR-SMR-SB	SLM8S04FR-SFR-SB	SLM8AS04MR-ASMR-SB	SLM8AS04FR-ASFR-SB
SLM8AS03MR-ASMR-SD	SLM8AS03FR-ASFR-SD	SLM8S04MR-SMR-SD	SLM8S04FR-SFR-SD	SLM8AS04MR-ASMR-SD	SLM8AS04FR-ASFR-SD

# M8 / Guided M8 LED Overmolded Cable

Number of Contacts		M8 LED	
Coding		4	
Rated Voltage (AC/DC)		D	
Nominal current		50V (AC) / 60V (DC)	
Pin Assignment		4A	
MM: Male Connector Male Contact FF: Female Connector Female Contact		MM	FF

## STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8DP-04BMMM-SL7B	LM8DP-04BFFM-SL7B
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8DP-04BMMM-SL7D	LM8DP-04BFFM-SL7D
(MM, Plastic/3 & 4 pin)	(FF, Plastic/3 & 4 pin)	Metal Nut	UL20549, PUR	LM8DP-04AMMM-QL5B	LM8DP-04AFFM-QL5B
		Shielded	UL2517, PVC	LM8DP-04AMMM-QL5D	LM8DP-04AFFM-QL5D
(MM, Shielded)	(FF, Shielded)	Stainless	UL20549, PUR	LM8D-04BMMM-SL7B	LM8D-04BFFM-SL7B
		Stainless Shielded	UL2517, PVC	LM8D-04BMMM-SL7D	LM8D-04BFFM-SL7D
			UL20549, PUR	LM8DS-04BMMM-SL7B	LM8DS-04BFFM-SL7B
			UL2517, PVC	LM8DS-04BMMM-SL7D	LM8DS-04BFFM-SL7D
			UL20549, PUR	SLM8D-04BMMM-SL7B	SLM8D-04BFFM-SL7B
			UL2517, PVC	SLM8D-04BMMM-SL7D	SLM8D-04BFFM-SL7D
			UL20549, PUR	SLM8DS-04BMMM-SL7B	SLM8DS-04BFFM-SL7B
			UL2517, PVC	SLM8DS-04BMMM-SL7D	SLM8DS-04BFFM-SL7D

## RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

10 Cable Length: (01) 1M ~ (99) 99M<sup>1)</sup>

(Plastic/Metal)	(Shielded)	Plastic	UL20549, PUR	LM8DP-04BMMM-SR7B	LM8DP-04BFFM-SR7B
(MM)	(FF)	Plastic (Snap-in, IP65)	UL2517, PVC	LM8DP-04BMMM-SR7D	LM8DP-04BFFM-SR7D
		Metal Nut	UL20549, PUR	LM8D-04BMMM-SR7B	LM8D-04BFFM-SR7B
		Shielded	UL2517, PVC	LM8D-04BMMM-SR7D	LM8D-04BFFM-SR7D
		Stainless	UL20549, PUR	LM8DS-04BMMM-SR7B	LM8DS-04BFFM-SR7B
		Stainless Shielded	UL2517, PVC	LM8DS-04BMMM-SR7D	LM8DS-04BFFM-SR7D
			UL20549, PUR	SLM8D-04BMMM-SR7B	SLM8D-04BFFM-SR7B
			UL2517, PVC	SLM8D-04BMMM-SR7D	SLM8D-04BFFM-SR7D
			UL20549, PUR	SLM8DS-04BMMM-SR7B	SLM8DS-04BFFM-SR7B
			UL2517, PVC	SLM8DS-04BMMM-SR7D	SLM8DS-04BFFM-SR7D

## STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8DP04ML-8DPML-SB	LM8DP04FL-8DPFL-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8DP04ML-8DPML-SD	LM8DP04FL-8DPFL-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM8DP04ML-8DPML-QB	LM8DP04FL-8DPFL-QB
		Shielded	UL2517, PVC	LM8DP04ML-8DPML-QD	LM8DP04FL-8DPFL-QD
		Stainless	UL20549, PUR	LM8D04ML-8DML-SB	LM8D04FL-8DFL-SB
		Stainless Shielded	UL2517, PVC	LM8D04ML-8DML-SD	LM8D04FL-8DFL-SD
			UL20549, PUR	LM8DS04ML-DSML-SB	LM8DS04FL-DSFL-SB
			UL2517, PVC	LM8DS04ML-DSML-SD	LM8DS04FL-DSFL-SD
			UL20549, PUR	SLM8D04ML-8DML-SB	SLM8D04FL-8DFL-SB
			UL2517, PVC	SLM8D04ML-8DML-SD	SLM8D04FL-8DFL-SD
			UL20549, PUR	SLM8DS04ML-DSML-SB	SLM8DS04FL-DSFL-SB
			UL2517, PVC	SLM8DS04ML-DSML-SD	SLM8DS04FL-DSFL-SD

## STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8DP04ML-8DPMR-SB	LM8DP04FL-8DPFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8DP04ML-8DPMR-SD	LM8DP04FL-8DPFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM8D04ML-8DPMR-SB	LM8D04FL-8DPR-SB
		Shielded	UL2517, PVC	LM8D04ML-8DPMR-SD	LM8D04FL-8DPR-SD
		Stainless	UL20549, PUR	LM8DS04ML-DSMR-SB	LM8DS04FL-DSFR-SB
		Stainless Shielded	UL2517, PVC	LM8DS04ML-DSMR-SD	LM8DS04FL-DSFR-SD
			UL20549, PUR	SLM8D04ML-8DPMR-SB	SLM8D04FL-8DPR-SB
			UL2517, PVC	SLM8D04ML-8DPMR-SD	SLM8D04FL-8DPR-SD
			UL20549, PUR	SLM8DS04ML-DSMR-SB	SLM8DS04FL-DSFR-SB
			UL2517, PVC	SLM8DS04ML-DSMR-SD	SLM8DS04FL-DSFR-SD

## RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

(MM, Plastic/Metal)	(FF, Plastic/Metal)	Plastic	UL20549, PUR	LM8DP04MR-8DPMR-SB	LM8DP04FR-8DPFR-SB
		Plastic (Snap-in, IP65)	UL2517, PVC	LM8DP04MR-8DPMR-SD	LM8DP04FR-8DPFR-SD
(MM, Shielded)	(FF, Shielded)	Metal Nut	UL20549, PUR	LM8D04MR-8DPMR-SB	LM8D04FR-8DPR-SB
		Shielded	UL2517, PVC	LM8D04MR-8DPMR-SD	LM8D04FR-8DPR-SD
		Stainless	UL20549, PUR	LM8DS04MR-DSMR-SB	LM8DS04FR-DSFR-SB
		Stainless Shielded	UL2517, PVC	LM8DS04MR-DSMR-SD	LM8DS04FR-DSFR-SD
			UL20549, PUR	SLM8D04MR-8DPMR-SB	SLM8D04FR-8DPR-SB
			UL2517, PVC	SLM8D04MR-8DPMR-SD	SLM8D04FR-8DPR-SD
			UL20549, PUR	SLM8DS04MR-DSMR-SB	SLM8DS04FR-DSFR-SB
			UL2517, PVC	SLM8DS04MR-DSMR-SD	SLM8DS04FR-DSFR-SD

\* Upon Request <sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

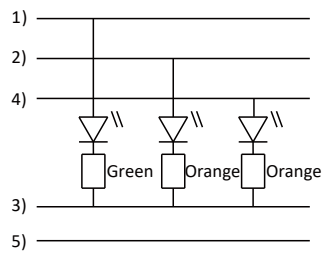


M8 / Guided M8

LED Overmolded Cable

G8 LED		M8 LED	
5		5	
A		B	
30V		30V	
2A		3A	
MM	FF	MM	FF
LM8AP-05BMMM-SL7B10*	LM8AP-05BFFM-SL7B10*	LM8BP-05BMMM-SL7B10*	LM8BP-05BFFM-SL7B10*
LM8AP-05BMMM-SL7D10*	LM8AP-05BFFM-SL7D10*	LM8BP-05BMMM-SL7D10*	LM8BP-05BFFM-SL7D10*
LM8AP-05AMMM-QL5B10*	LM8AP-05AFFM-QL5B10*	LM8BP-05AMMM-QL5B10*	LM8BP-05AFFM-QL5B10*
LM8AP-05AMMM-QL5D10*	LM8AP-05AFFM-QL5D10*	LM8BP-05AMMM-QL5D10*	LM8BP-05AFFM-QL5D10*
LM8A-05BMMM-SL7B10*	LM8A-05BFFM-SL7B10*	LM8B-05BMMM-SL7B10*	LM8B-05BFFM-SL7B10*
LM8A-05BMMM-SL7D10*	LM8A-05BFFM-SL7D10*	LM8B-05BMMM-SL7D10*	LM8B-05BFFM-SL7D10*
LM8AS-05BMMM-SL7B10*	LM8AS-05BFFM-SL7B10*	LM8BS-05BMMM-SL7B10*	LM8BS-05BFFM-SL7B10*
LM8AS-05BMMM-SL7D10*	LM8AS-05BFFM-SL7D10*	LM8BS-05BMMM-SL7D10*	LM8BS-05BFFM-SL7D10*
SLM8A-05BMMM-SL7B10*	SLM8A-05BFFM-SL7B10*	SLM8B-05BMMM-SL7B10*	SLM8B-05BFFM-SL7B10*
SLM8A-05BMMM-SL7D10*	SLM8A-05BFFM-SL7D10*	SLM8B-05BMMM-SL7D10*	SLM8B-05BFFM-SL7D10*
SLM8AS-05BMMM-SL7B10*	SLM8AS-05BFFM-SL7B10*	SLM8BS-05BMMM-SL7B10*	SLM8BS-05BFFM-SL7B10*
SLM8AS-05BMMM-SL7D10*	SLM8AS-05BFFM-SL7D10*	SLM8BS-05BMMM-SL7D10*	SLM8BS-05BFFM-SL7D10*
LM8AP-05BMMM-SR7B10*	LM8AP-05BFFM-SR7B10*	LM8BP-05BMMM-SR7B10*	LM8BP-05BFFM-SR7B10*
LM8AP-05BMMM-SR7D10*	LM8AP-05BFFM-SR7D10*	LM8BP-05BMMM-SR7D10*	LM8BP-05BFFM-SR7D10*
LM8A-05BMMM-SR7B10*	LM8A-05BFFM-SR7B10*	LM8B-05BMMM-SR7B10*	LM8B-05BFFM-SR7B10*
LM8A-05BMMM-SR7D10*	LM8A-05BFFM-SR7D10*	LM8B-05BMMM-SR7D10*	LM8B-05BFFM-SR7D10*
LM8AS-05BMMM-SR7B10*	LM8AS-05BFFM-SR7B10*	LM8BS-05BMMM-SR7B10*	LM8BS-05BFFM-SR7B10*
LM8AS-05BMMM-SR7D10*	LM8AS-05BFFM-SR7D10*	LM8BS-05BMMM-SR7D10*	LM8BS-05BFFM-SR7D10*
SLM8A-05BMMM-SR7B10*	SLM8A-05BFFM-SR7B10*	SLM8B-05BMMM-SR7B10*	SLM8B-05BFFM-SR7B10*
SLM8A-05BMMM-SR7D10*	SLM8A-05BFFM-SR7D10*	SLM8B-05BMMM-SR7D10*	SLM8B-05BFFM-SR7D10*
SLM8AS-05BMMM-SR7B10*	SLM8AS-05BFFM-SR7B10*	SLM8BS-05BMMM-SR7B10*	SLM8BS-05BFFM-SR7B10*
SLM8AS-05BMMM-SR7D10*	SLM8AS-05BFFM-SR7D10*	SLM8BS-05BMMM-SR7D10*	SLM8BS-05BFFM-SR7D10*
LM8AP05ML-8APML-SB10*	LM8AP05FL-8APFL-SB10*	LM8BP05ML-8BPML-SB10*	LM8BP05FL-8BPFL-SB10*
LM8AP05ML-8APML-SD10*	LM8AP05FL-8APFL-SD10*	LM8BP05ML-8BPML-SD10*	LM8BP05FL-8BPFL-SD10*
LM8AP05ML-8APML-QB10*	LM8AP05FL-8APFL-QB10*	LM8BP05ML-8BPML-QB10*	LM8BP05FL-8BPFL-QB10*
LM8AP05ML-8APML-QD10*	LM8AP05FL-8APFL-QD10*	LM8BP05ML-8BPML-QD10*	LM8BP05FL-8BPFL-QD10*
LM8A05ML-8AML-SB10*	LM8A05FL-8AFL-SB10*	LM8B05ML-8BML-SB10*	LM8B05FL-8BFL-SB10*
LM8A05ML-8AML-SD10*	LM8A05FL-8AFL-SD10*	LM8B05ML-8BML-SD10*	LM8B05FL-8BFL-SD10*
LM8AS05ML-ASML-SB10*	LM8AS05FL-ASFL-SB10*	LM8BS05ML-BSML-SB10*	LM8BS05FL-BSFL-SB10*
LM8AS05ML-ASML-SD10*	LM8AS05FL-ASFL-SD10*	LM8BS05ML-BSML-SD10*	LM8BS05FL-BSFL-SD10*
SLM8A05ML-8AML-SB10*	SLM8A05FL-8AFL-SB10*	SLM8B05ML-8BML-SB10*	SLM8B05FL-8BFL-SB10*
SLM8A05ML-8AML-SD10*	SLM8A05FL-8AFL-SD10*	SLM8B05ML-8BML-SD10*	SLM8B05FL-8BFL-SD10*
SLM8AS05ML-ASML-SB10*	SLM8AS05FL-ASFL-SB10*	SLM8BS05ML-BSML-SB10*	SLM8BS05FL-BSFL-SB10*
SLM8AS05ML-ASML-SD10*	SLM8AS05FL-ASFL-SD10*	SLM8BS05ML-BSML-SD10*	SLM8BS05FL-BSFL-SD10*
LM8AP05ML-8APMR-SB10*	LM8AP05FL-8APFR-SB10*	LM8BP05ML-8BPMR-SB10*	LM8BP05FL-8BPFR-SB10*
LM8AP05ML-8APMR-SD10*	LM8AP05FL-8APFR-SD10*	LM8BP05ML-8BPMR-SD10*	LM8BP05FL-8BPFR-SD10*
LM8A05ML-8AMR-SB10*	LM8A05FL-8AFR-SB10*	LM8B05ML-8BMR-SB10*	LM8B05FL-8BFR-SB10*
LM8A05ML-8AMR-SD10*	LM8A05FL-8AFR-SD10*	LM8B05ML-8BMR-SD10*	LM8B05FL-8BFR-SD10*
LM8AS05ML-ASMR-SB10*	LM8AS05FL-ASFR-SB10*	LM8BS05ML-BSMR-SB10*	LM8BS05FL-BSFR-SB10*
LM8AS05ML-ASMR-SD10*	LM8AS05FL-ASFR-SD10*	LM8BS05ML-BSMR-SD10*	LM8BS05FL-BSFR-SD10*
SLM8A05ML-8AMR-SB10*	SLM8A05FL-8AFR-SB10*	SLM8B05ML-8BMR-SB10*	SLM8B05FL-8BFR-SB10*
SLM8A05ML-8AMR-SD10*	SLM8A05FL-8AFR-SD10*	SLM8B05ML-8BMR-SD10*	SLM8B05FL-8BFR-SD10*
SLM8AS05ML-ASMR-SB10*	SLM8AS05FL-ASFR-SB10*	SLM8BS05ML-BSMR-SB10*	SLM8BS05FL-BSFR-SB10*
SLM8AS05ML-ASMR-SD10*	SLM8AS05FL-ASFR-SD10*	SLM8BS05ML-BSMR-SD10*	SLM8BS05FL-BSFR-SD10*
LM8AP05MR-8APMR-SB10*	LM8AP05FR-8APFR-SB10*	LM8BP05MR-8BPMR-SB10*	LM8BP05FR-8BPFR-SB10*
LM8AP05MR-8APMR-SD10*	LM8AP05FR-8APFR-SD10*	LM8BP05MR-8BPMR-SD10*	LM8BP05FR-8BPFR-SD10*
LM8A05MR-8AMR-SB10*	LM8A05FR-8AFR-SB10*	LM8B05MR-8BMR-SB10*	LM8B05FR-8BFR-SB10*
LM8A05MR-8AMR-SD10*	LM8A05FR-8AFR-SD10*	LM8B05MR-8BMR-SD10*	LM8B05FR-8BFR-SB10*
LM8AS05MR-ASMR-SB10*	LM8AS05FR-ASFR-SB10*	LM8BS05MR-BSMR-SB10*	LM8BS05FR-BSFR-SB10*
LM8AS05MR-ASMR-SD10*	LM8AS05FR-ASFR-SD10*	LM8BS05MR-BSMR-SD10*	LM8BS05FR-BSFR-SB10*
SLM8A05MR-8AMR-SB10*	SLM8A05FR-8AFR-SB10*	SLM8B05MR-8BMR-SB10*	SLM8B05FR-8BFR-SB10*
SLM8A05MR-8AMR-SD10*	SLM8A05FR-8AFR-SD10*	SLM8B05MR-8BMR-SD10*	SLM8B05FR-8BFR-SB10*
SLM8AS05MR-ASMR-SB10*	SLM8AS05FR-ASFR-SB10*	SLM8BS05MR-BSMR-SB10*	SLM8BS05FR-BSFR-SB10*
SLM8AS05MR-ASMR-SD10*	SLM8AS05FR-ASFR-SD10*	SLM8BS05MR-BSMR-SD10*	SLM8BS05FR-BSFR-SB10*

M8 / Guided M8 LED Overmolded Cable



Number of Contacts		M8 LED	
Coding		3	
Rated Voltage (AC/DC)		A	
Nominal current		50V (AC) / 60V (DC)	
Pin Assignment		4A	
MF: Male Connector Feale Contact FM: Female Connector Male Contact		MF	FM

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

	Plastic	UL20549, PUR	LM8P03ML-8PFL-SB10*	-
		UL2517, PVC	LM8P03ML-8PFL-SD10*	-
	Plastic (Snap-in, IP65)	UL20549, PUR	LM8P03ML-8PFL-QB10*	-
		UL2517, PVC	LM8P03ML-8PFL-QD10*	-
	Metal Nut	UL20549, PUR	LM803ML-8FL-SB10*	-
		UL2517, PVC	LM803ML-8FL-SD10*	-
	Shielded	UL20549, PUR	LM8S03ML-SFL-SB10*	-
		UL2517, PVC	LM8S03ML-SFL-SD10*	-
	Stainless	UL20549, PUR	SLM803ML-8FL-SB10*	-
		UL2517, PVC	SLM803ML-8FL-SD10*	-
	Stainless Shielded	UL20549, PUR	SLM8S03ML-SFL-SB10*	-
		UL2517, PVC	SLM8S03ML-SFL-SD10*	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

	Plastic	UL20549, PUR	LM8P03MR-8PFR-SB10*	-
		UL2517, PVC	LM8P03MR-8PFR-SD10*	-
	Plastic (Snap-in, IP65)	UL20549, PUR	-	-
		UL2517, PVC	-	-
	Metal Nut	UL20549, PUR	LM803MR-8FR-SB10*	-
		UL2517, PVC	LM803MR-8FR-SD10*	-
	Shielded	UL20549, PUR	LM8S03MR-SFR-SB10*	-
		UL2517, PVC	LM8S03MR-SFR-SD10*	-
	Stainless	UL20549, PUR	SLM803MR-8FR-SB10*	-
		UL2517, PVC	SLM803MR-8FR-SD10*	-
	Stainless Shielded	UL20549, PUR	SLM8S03MR-SFR-SB10*	-
		UL2517, PVC	SLM8S03MR-SFR-SD10*	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)




10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

		Plastic	UL20549, PUR	LM8P03ML-8PFR-SB10*	LM8P03FL-8PMR-SB10*
			UL2517, PVC	LM8P03ML-8PFR-SD10*	LM8P03FL-8PMR-SD10*
		Metal Nut	UL20549, PUR	LM803ML-8FR-SB10*	LM803FL-8MR-SB10*
			UL2517, PVC	LM803ML-8FR-SD10*	LM803FL-8MR-SD10*
		Shielded	UL20549, PUR	LM8S03ML-SFR-SB10*	LM8S03FL-SMR-SB10*
			UL2517, PVC	LM8S03ML-SFR-SD10*	LM8S03FL-SMR-SD10*
		Stainless	UL20549, PUR	SLM803MSL-8FR-SB10*	SLM803FSL-8MR-SB10*
			UL2517, PVC	SLM803MSL-8FR-SD10*	SLM803FSL-8MR-SD10*
		Stainless Shielded	UL20549, PUR	SLM8S03ML-SFR-SB10*	SLM8S03FL-SMR-SB10*
			UL2517, PVC	SLM8S03ML-SFR-SD10*	SLM8S03FL-SMR-SD10*

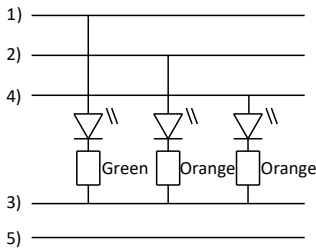
\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths



G8 LED		M8 LED		G8 LED	
3		4		4	
A		A		A	
50V (AC) / 60V (DC)		50V (AC) / 60V (DC)		50V (AC) / 60V (DC)	
4A		4A		4A	
MF	FM	MF	FM	MF	FM
					
LM8AP03ML-8APFL-SB <sup>10*</sup>	-	LM8P04ML-8PFL-SB <sup>10*</sup>	-	LM8AP04ML-8APFL-SB <sup>10*</sup>	-
LM8AP03ML-8APFL-SD <sup>10*</sup>	-	LM8P04ML-8PFL-SD <sup>10*</sup>	-	LM8AP04ML-8APFL-SD <sup>10*</sup>	-
LM8AP03ML-8APFL-QB <sup>10*</sup>	-	LM8P04ML-8PFL-QB <sup>10*</sup>	-	LM8AP04ML-8APFL-QB <sup>10*</sup>	-
LM8AP03ML-8APFL-QD <sup>10*</sup>	-	LM8P04ML-8PFL-QD <sup>10*</sup>	-	LM8AP04ML-8APFL-QD <sup>10*</sup>	-
LM8A03ML-8AFL-SB <sup>10*</sup>	-	LM804ML-8FL-SB <sup>10*</sup>	-	LM8A04ML-8AFL-SB <sup>10*</sup>	-
LM8A03ML-8AFL-SD <sup>10*</sup>	-	LM804ML-8FL-SD <sup>10*</sup>	-	LM8A04ML-8AFL-SD <sup>10*</sup>	-
LM8AS03ML-ASFL-SB <sup>10*</sup>	-	LM8S04ML-SFL-SB <sup>10*</sup>	-	LM8AS04ML-ASFL-SB <sup>10*</sup>	-
LM8AS03ML-ASFL-SD <sup>10*</sup>	-	LM8S04ML-SFL-SD <sup>10*</sup>	-	LM8AS04ML-ASFL-SD <sup>10*</sup>	-
SLM8A03ML-8AFL-SB <sup>10*</sup>	-	SLM804ML-8FL-SB <sup>10*</sup>	-	SLM8A04ML-8AFL-SB <sup>10*</sup>	-
SLM8A03ML-8AFL-SD <sup>10*</sup>	-	SLM804ML-8FL-SD <sup>10*</sup>	-	SLM8A04ML-8AFL-SD <sup>10*</sup>	-
SLM8AS03ML-ASFL-SB <sup>10*</sup>	-	SLM8S04ML-SFL-SB <sup>10*</sup>	-	SLM8AS04ML-ASFL-SB <sup>10*</sup>	-
SLM8AS03ML-ASFL-SD <sup>10*</sup>	-	SLM8S04ML-SFL-SD <sup>10*</sup>	-	SLM8AS04ML-ASFL-SD <sup>10*</sup>	-
LM8AP03MR-8APFR-SB <sup>10*</sup>	-	LM8P04MR-8PFR-SB <sup>10*</sup>	-	LM8AP04MR-8APFR-SB <sup>10*</sup>	-
LM8AP03MR-8APFR-SD <sup>10*</sup>	-	LM8P04MR-8PFR-SD <sup>10*</sup>	-	LM8AP04MR-8APFR-SD <sup>10*</sup>	-
-	-	-	-	-	-
-	-	-	-	-	-
LM8A03MR-8AFR-SB <sup>10*</sup>	-	LM804MR-8FR-SB <sup>10*</sup>	-	LM8A04MR-8AFR-SB <sup>10*</sup>	-
LM8A03MR-8AFR-SD <sup>10*</sup>	-	LM804MR-8FR-SD <sup>10*</sup>	-	LM8A04MR-8AFR-SD <sup>10*</sup>	-
LM8AS03MR-ASFR-SB <sup>10*</sup>	-	LM8S04MR-SFR-SB <sup>10*</sup>	-	LM8AS04MR-ASFR-SB <sup>10*</sup>	-
LM8AS03MR-ASFR-SD <sup>10*</sup>	-	LM8S04MR-SFR-SD <sup>10*</sup>	-	LM8AS04MR-ASFR-SD <sup>10*</sup>	-
SLM8A03MR-8AFR-SB <sup>10*</sup>	-	SLM804MR-8FR-SB <sup>10*</sup>	-	SLM8A04MR-8AFR-SB <sup>10*</sup>	-
SLM8A03MR-8AFR-SD <sup>10*</sup>	-	SLM804MR-8FR-SD <sup>10*</sup>	-	SLM8A04MR-8AFR-SD <sup>10*</sup>	-
SLM8AS03MR-ASFR-SB <sup>10*</sup>	-	SLM8S04MR-SFR-SB <sup>10*</sup>	-	SLM8AS04MR-ASFR-SB <sup>10*</sup>	-
SLM8AS03MR-ASFR-SD <sup>10*</sup>	-	SLM8S04MR-SFR-SD <sup>10*</sup>	-	SLM8AS04MR-ASFR-SD <sup>10*</sup>	-
LM8AP03ML-8APFR-SB <sup>10*</sup>	LM8AP03FL-8APMR-SB <sup>10*</sup>	LM8P04ML-8PFR-SB <sup>10*</sup>	LM8P04FL-8PMR-SB <sup>10*</sup>	LM8AP04ML-8APFR-SB <sup>10*</sup>	LM8AP04FL-8APMR-SB <sup>10*</sup>
LM8AP03ML-8APFR-SD <sup>10*</sup>	LM8AP03FL-8APMR-SD <sup>10*</sup>	LM8P04ML-8PFR-SD <sup>10*</sup>	LM8P04FL-8PMR-SD <sup>10*</sup>	LM8AP04ML-8APFR-SD <sup>10*</sup>	LM8AP04FL-8APMR-SD <sup>10*</sup>
LM8A03ML-8AFL-SB <sup>10*</sup>	LM8A03FL-8AMR-SB <sup>10*</sup>	LM804ML-8FL-SB <sup>10*</sup>	LM804FL-8MR-SB <sup>10*</sup>	LM8A04ML-8AFL-SB <sup>10*</sup>	LM8A04FL-8AMR-SB <sup>10*</sup>
LM8A03ML-8AFL-SD <sup>10*</sup>	LM8A03FL-8AMR-SD <sup>10*</sup>	LM804ML-8FL-SD <sup>10*</sup>	LM804FL-8MR-SD <sup>10*</sup>	LM8A04ML-8AFL-SD <sup>10*</sup>	LM8A04FL-8AMR-SD <sup>10*</sup>
LM8AS03ML-ASFR-SB <sup>10*</sup>	LM8AS03FL-ASMR-SB <sup>10*</sup>	LM8S04ML-SFL-SB <sup>10*</sup>	LM8S04FL-SMR-SB <sup>10*</sup>	LM8AS04ML-ASFR-SB <sup>10*</sup>	LM8AS04FL-ASMR-SB <sup>10*</sup>
LM8AS03ML-ASFR-SD <sup>10*</sup>	LM8AS03FL-ASMR-SD <sup>10*</sup>	LM8S04ML-SFL-SD <sup>10*</sup>	LM8S04FL-SMR-SD <sup>10*</sup>	LM8AS04ML-ASFR-SD <sup>10*</sup>	LM8AS04FL-ASMR-SD <sup>10*</sup>
SLM8A03MSL-8AFL-SB <sup>10*</sup>	SLM8A03FSL-8AMR-SB <sup>10*</sup>	SLM804MSL-8FR-SB <sup>10*</sup>	SLM804FSL-8MR-SB <sup>10*</sup>	SLM8A04MSL-8AFL-SB <sup>10*</sup>	SLM8A04FSL-8AMR-SB <sup>10*</sup>
SLM8A03MSL-8AFL-SD <sup>10*</sup>	SLM8A03FSL-8AMR-SD <sup>10*</sup>	SLM804MSL-8FR-SD <sup>10*</sup>	SLM804FSL-8MR-SD <sup>10*</sup>	SLM8A04MSL-8AFL-SD <sup>10*</sup>	SLM8A04FSL-8AMR-SD <sup>10*</sup>
SLM8AS03ML-ASFR-SB <sup>10*</sup>	SLM8AS03FL-ASMR-SB <sup>10*</sup>	SLM8S04ML-SFL-SB <sup>10*</sup>	SLM8S04FL-SMR-SB <sup>10*</sup>	SLM8AS04ML-ASFR-SB <sup>10*</sup>	SLM8AS04FL-ASMR-SB <sup>10*</sup>
SLM8AS03ML-ASFR-SD <sup>10*</sup>	SLM8AS03FL-ASMR-SD <sup>10*</sup>	SLM8S04ML-SFL-SD <sup>10*</sup>	SLM8S04FL-SMR-SD <sup>10*</sup>	SLM8AS04ML-ASFR-SD <sup>10*</sup>	SLM8AS04FL-ASMR-SD <sup>10*</sup>

M8 / Guided M8 LED Overmolded Cable



M8 LED	
Number of Contacts	4
Coding	D
Rated Voltage (AC/DC)	50V (AC) / 60V (DC)
Nominal current	4A
Pin Assignment	
MF: Male Connector Female Contact FM: Female Connector Male Contact	
	MF
	FM

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

	Plastic	UL20549, PUR	LM8DP04ML-8DPFL-SB10*	-
		UL2517, PVC	LM8DP04ML-8DPFL-SD10*	-
	Plastic (Snap-in, IP65)	UL20549, PUR	LM8DP04ML-8DPFL-QB10*	-
		UL2517, PVC	LM8DP04ML-8DPFL-QD10*	-
	Metal Nut	UL20549, PUR	LM8D04ML-8DFL-SB10*	-
		UL2517, PVC	LM8D04ML-8DFL-SD10*	-
	Shielded	UL20549, PUR	LM8DS04ML-8DSFL-SB10*	-
		UL2517, PVC	LM8DS04ML-8DSFL-SD10*	-
	Stainless	UL20549, PUR	SLM8D04ML-8DFL-SB10*	-
		UL2517, PVC	SLM8D04ML-8DFL-SD10*	-
	Stainless Shielded	UL20549, PUR	SLM8DS04ML-DSFL-SB10*	-
		UL2517, PVC	SLM8DS04ML-DSFL-SD10*	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

	Plastic	UL20549, PUR	LM8DP04MR-8DPFR-SB10*	-
		UL2517, PVC	LM8DP04MR-8DPFR-SD10*	-
	Plastic (Snap-in, IP65)	UL20549, PUR	-	-
		UL2517, PVC	-	-
	Metal Nut	UL20549, PUR	LM8D04MR-8DFR-SB10*	-
		UL2517, PVC	LM8D04MR-8DFR-SD10*	-
	Shielded	UL20549, PUR	LM8DS04MR-8DSFR-SB10*	-
		UL2517, PVC	LM8DS04MR-8DSFR-SD10*	-
	Stainless	UL20549, PUR	SLM8D04MR-8DFR-SB10*	-
		UL2517, PVC	SLM8D04MR-8DFR-SD10*	-
	Stainless Shielded	UL20549, PUR	SLM8DS04MR-DSFR-SB10*	-
		UL2517, PVC	SLM8DS04MR-DSFR-SD10*	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M<sup>1)</sup> | Connector / Contact Gender: (M) MM, (F) FF

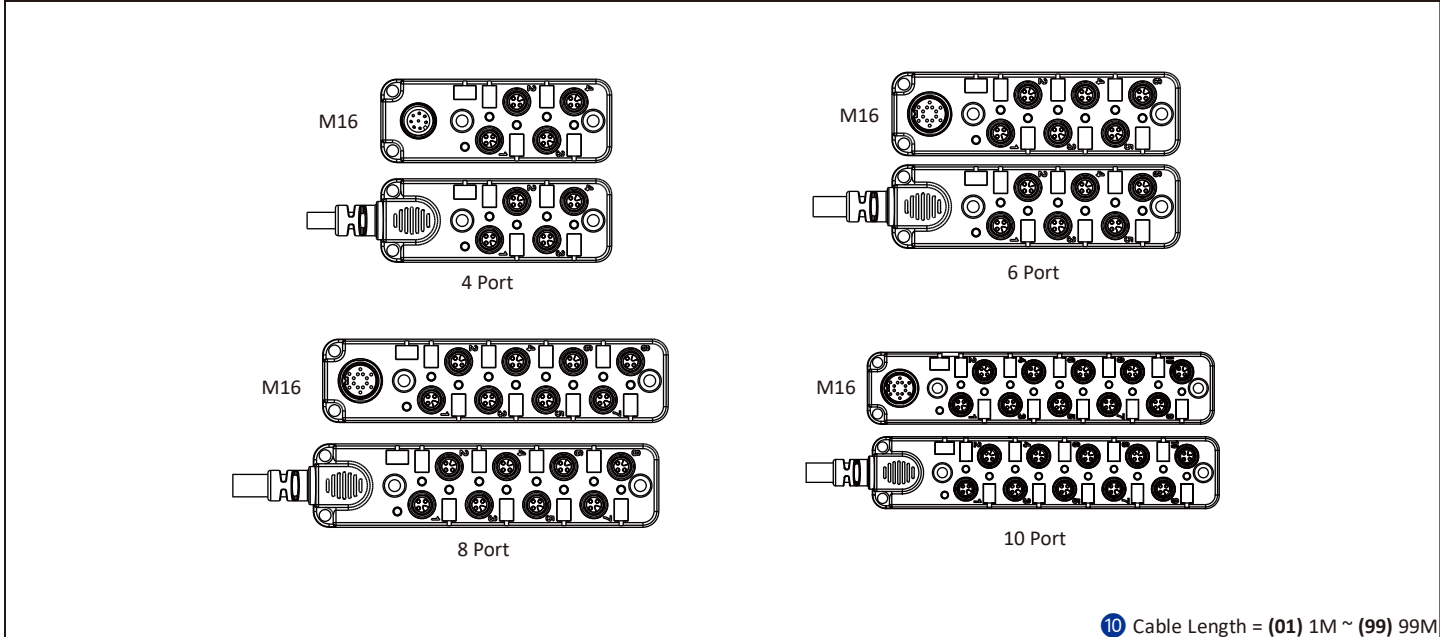
		Plastic	UL20549, PUR	LM8DP04ML-8DPFR-SB10*	LM8DP04FL-8DPMR-SB10*
			UL2517, PVC	LM8DP04ML-8DPFR-SD10*	LM8DP04FL-8DPMR-SD10*
		Metal Nut	UL20549, PUR	LM8D04ML-8DFR-SB10*	LM8D04FL-8DPMR-SB10*
			UL2517, PVC	LM8D04ML-8DFR-SD10*	LM8D04FL-8DPMR-SD10*
		Shielded	UL20549, PUR	LM8DS04ML-8DSFR-SB10*	LM8DS04FL-8DSMR-SB10*
			UL2517, PVC	LM8DS04ML-8DSFR-SD10*	LM8DS04FL-8DSMR-SD10*
		Stainless	UL20549, PUR	SLM8D04MSL-8DFR-SB10*	SLM8D04FSL-8DPMR-SB10*
			UL2517, PVC	SLM8D04MSL-8DFR-SD10*	SLM8D04FSL-8DPMR-SD10*
		Stainless Shielded	UL20549, PUR	SLM8DS04ML-DSFR-SB10*	SLM8DS04FL-DSMR-SB10*
			UL2517, PVC	SLM8DS04ML-DSFR-SD10*	SLM8DS04FL-DSMR-SD10*

\* Upon Request

<sup>1)</sup> Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Apply For Non-Standard Lengths

G8 LED		M8 LED	
5		5	
A		B	
30V		30V	
2A		3A	
MF	FM	MF	FM
LM8AP05ML-8APFL-SB <sup>10*</sup>	-	LM8BP05ML-8BPFL-SB <sup>10*</sup>	-
LM8AP05ML-8APFL-SD <sup>10*</sup>	-	LM8BP05ML-8BPFL-SD <sup>10*</sup>	-
LM8AP05ML-8APFL-QB <sup>10*</sup>	-	LM8BP05ML-8BPFL-QB <sup>10*</sup>	-
LM8AP05ML-8APFL-QD <sup>10*</sup>	-	LM8BP05ML-8BPFL-QD <sup>10*</sup>	-
LM8A05ML-8AFL-SB <sup>10*</sup>	-	LM8B05ML-8BFL-SB <sup>10*</sup>	-
LM8A05ML-8AFL-SD <sup>10*</sup>	-	LM8B05ML-8BFL-SD <sup>10*</sup>	-
LM8AS05ML-ASFL-SB <sup>10*</sup>	-	LM8BS05ML-8BSFL-SB <sup>10*</sup>	-
LM8AS05ML-ASFL-SD <sup>10*</sup>	-	LM8BS05ML-8BSFL-SD <sup>10*</sup>	-
SLM8A05ML-8AFL-SB <sup>10*</sup>	-	SLM8B05ML-8BFL-SB <sup>10*</sup>	-
SLM8A05ML-8AFL-SD <sup>10*</sup>	-	SLM8B05ML-8BFL-SD <sup>10*</sup>	-
SLM8AS05ML-ASFL-SB <sup>10*</sup>	-	SLM8BS05ML-BSFL-SB <sup>10*</sup>	-
SLM8AS05ML-ASFL-SD <sup>10*</sup>	-	SLM8BS05ML-BSFL-SD <sup>10*</sup>	-
LM8AP05MR-8APFR-SB <sup>10*</sup>	-	LM8BP05MR-8BPFR-SB <sup>10*</sup>	-
LM8AP05MR-8APFR-SD <sup>10*</sup>	-	LM8BP05MR-8BPFR-SD <sup>10*</sup>	-
-	-	-	-
-	-	-	-
LM8A05MR-8AFR-SB <sup>10*</sup>	-	LM8B05MR-8BFR-SB <sup>10*</sup>	-
LM8A05MR-8AFR-SD <sup>10*</sup>	-	LM8B05MR-8BFR-SD <sup>10*</sup>	-
LM8AS05MR-ASFR-SB <sup>10*</sup>	-	LM8BS05MR-8BSFR-SB <sup>10*</sup>	-
LM8AS05MR-ASFR-SD <sup>10*</sup>	-	LM8BS05MR-8BSFR-SD <sup>10*</sup>	-
SLM8A05MR-8AFR-SB <sup>10*</sup>	-	SLM8B05MR-8BFR-SB <sup>10*</sup>	-
SLM8A05MR-8AFR-SD <sup>10*</sup>	-	SLM8B05MR-8BFR-SD <sup>10*</sup>	-
SLM8AS05MR-ASFR-SB <sup>10*</sup>	-	SLM8BS05MR-BSFR-SB <sup>10*</sup>	-
SLM8AS05MR-ASFR-SD <sup>10*</sup>	-	SLM8BS05MR-BSFR-SD <sup>10*</sup>	-
LM8AP05ML-8APFR-SB <sup>10*</sup>	LM8AP05FL-8APMR-SB <sup>10*</sup>	LM8BP05ML-8BPFR-SB <sup>10*</sup>	LM8BP05FL-8BPMR-SB <sup>10*</sup>
LM8AP05ML-8APFR-SD <sup>10*</sup>	LM8AP05FL-8APMR-SD <sup>10*</sup>	LM8BP05ML-8BPFR-SD <sup>10*</sup>	LM8BP05FL-8BPMR-SD <sup>10*</sup>
LM8A05ML-8AFR-SB <sup>10*</sup>	LM8A05FL-8AMR-SB <sup>10*</sup>	LM8B05ML-8BFR-SB <sup>10*</sup>	LM8B05FL-8BMR-SB <sup>10*</sup>
LM8A05ML-8AFR-SD <sup>10*</sup>	LM8A05FL-8AMR-SD <sup>10*</sup>	LM8B05ML-8BFR-SD <sup>10*</sup>	LM8B05FL-8BMR-SD <sup>10*</sup>
LM8AS05ML-ASFR-SB <sup>10*</sup>	LM8AS05FL-ASMR-SB <sup>10*</sup>	LM8BS05ML-8BSFR-SB <sup>10*</sup>	LM8BS05FL-8BSMR-SB <sup>10*</sup>
LM8AS05ML-ASFR-SD <sup>10*</sup>	LM8AS05FL-ASMR-SD <sup>10*</sup>	LM8BS05ML-8BSFR-SD <sup>10*</sup>	LM8BS05FL-8BSMR-SD <sup>10*</sup>
SLM8A05MSL-8AFR-SB <sup>10*</sup>	SLM8A05FSL-8AMR-SB <sup>10*</sup>	SLM8B05MSL-8BFR-SB <sup>10*</sup>	SLM8B05FSL-8BMR-SB <sup>10*</sup>
SLM8A05MSL-8AFR-SD <sup>10*</sup>	SLM8A05FSL-8AMR-SD <sup>10*</sup>	SLM8B05MSL-8BFR-SD <sup>10*</sup>	SLM8B05FSL-8BMR-SD <sup>10*</sup>
SLM8AS05ML-ASFR-SB <sup>10*</sup>	SLM8AS05FL-ASMR-SB <sup>10*</sup>	SLM8BS05ML-BSFR-SB <sup>10*</sup>	SLM8BS05FL-BSMR-SB <sup>10*</sup>
SLM8AS05ML-ASFR-SD <sup>10*</sup>	SLM8AS05FL-ASMR-SD <sup>10*</sup>	SLM8BS05ML-BSFR-SD <sup>10*</sup>	SLM8BS05FL-BSMR-SD <sup>10*</sup>

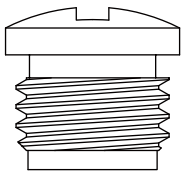
Distribution Box



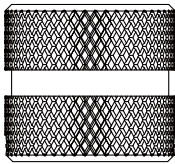
10 Cable Length = (01) 1M ~ (99) 99M

Coding	Nominal Current	No. of Contacts	Port	Guided M8	
				Without Cable	With Cable
A	3A	03	4	DB8-3A4M12-SPS7001	DB8-3A4CAB-SPS7B 10
			6	DB8-3A6M16-SPS7001	DB8-3A6CAB-SPS7B 10
			8	DB8-3A8M16-SPS7001	DB8-3A8CAB-SPS7B 10
			10	DB8-3A10M16-SPS7001*	DB8-3A10CAB-SPS7B 10*

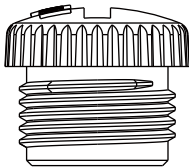
Waterproof Cap



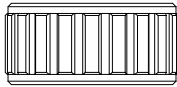
M8 (For Female)



M10.5 (For Male)



M12 (For Female)

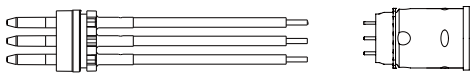


M23 (For Male)

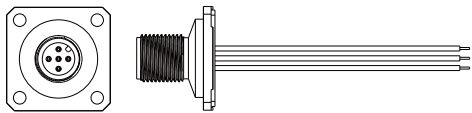
Size	Mating Pair	Mating Gender	Material	Attachment	Screw Thread
M8	Overmolded with Cable	Female	Plastic	With Lead	CAP-WBBFSPC1
		Female	Plastic	Cap Only	CAP-WBBFSMA1
	Receptacle and Overmolded with Cable	Male	Plastic	Cap Only	CAP-WBBMSMA1
		Female	Plastic	Cap Only	CAP-WBBFSMA1
M10.5	Receptacle and Overmolded with Cable	Male	Metal	Cap Only	CAP-WBCMSMA2
M12 A / B / D / I K / L / S / T / X	Receptacle	Male	Metal	With Chain	CAP-WBDMSPB2
		Male	Plastic	With Lead	CAP-WBDMQPC1
		Female	Metal	With Chain	CAP-WBDFSPB1
		Female	Metal	With Lead	CAP-WBDFSPC1
	Receptacle and Overmolded with Cable	Male	Plastic	Cap Only	CAP-WBDMSMA1
		Male	Metal	Cap Only	CAP-WBDMSMA2
		Female	Plastic	Cap Only	CAP-WBDFSMA1
		Female	Metal	Cap Only	CAP-WBDFSMA2
M23	Receptacle	Male	Metal	Cap Only	CAP-WBHMSMA1

# Customization - Upon Request

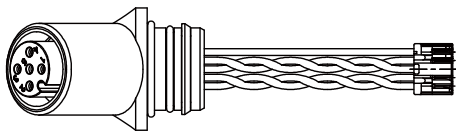
## 1. M8 / M12 Sensor Insert



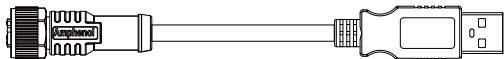
## 2. Square Receptacle



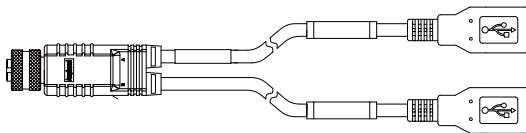
## 3. Metal Injection Molding



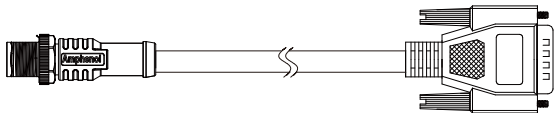
## 4. M12 To USB Plug



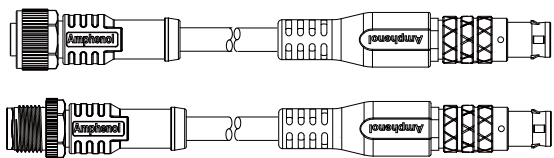
## 5. M12 To USB Jack Splitter



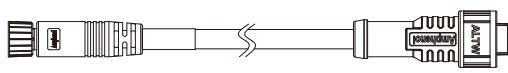
## 6. M12 To D-Sub



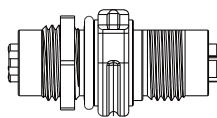
## 7. M12 To FLOS (FLOS+)



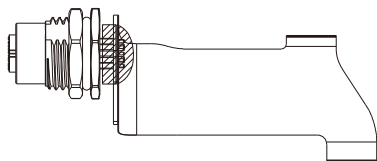
## 8. M8 To X-Lok



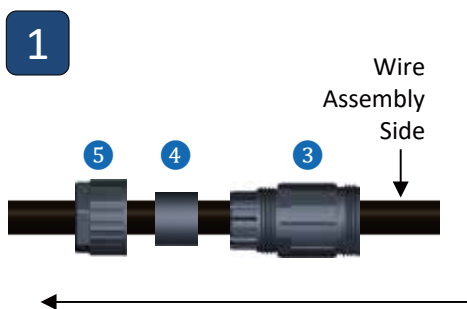
## 9. M12 Receptacle Feedthrough



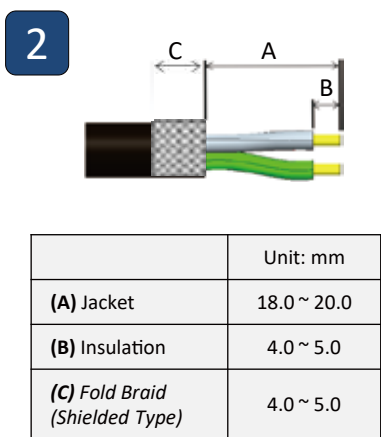
## 10. With FPC Termination



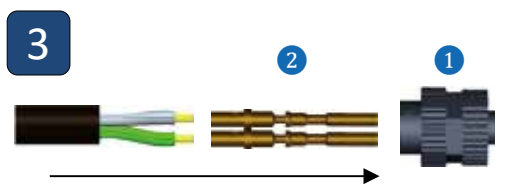




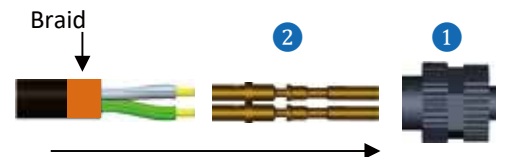
Follow the order from 5 to 3 and put components through cable accordingly, no need to assemble here.



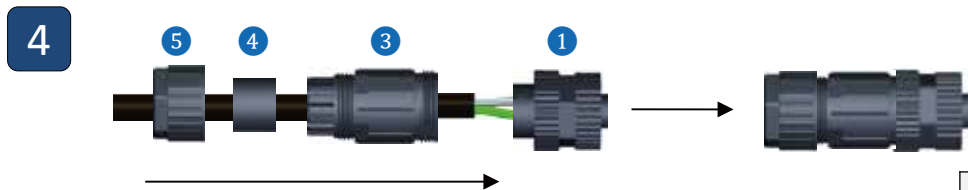
Follow suggested stripping length of (A) Jacket, (B) Insulation, (C) Fold Braid (For shielded type).



Terminate conductors onto crimp contacts and insert them into 1 until you hear click sound.

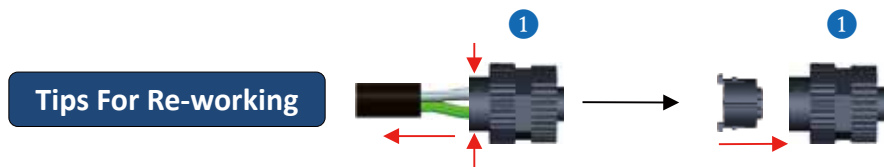


(For shielded type, follow the instruction above and wrap the braid with copper foil).

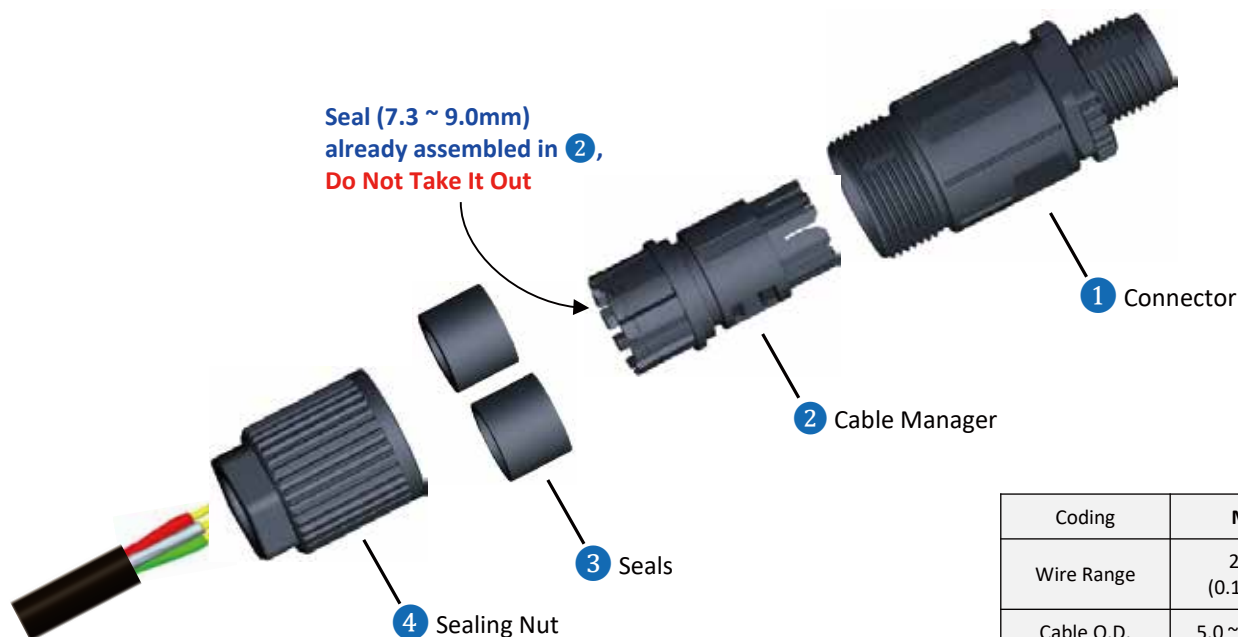


Follow the order 3 → 1, 4 → 3, 5 → 1 to assemble all components. And tighten 1 & 3, 3 & 5 with suggested torque force.

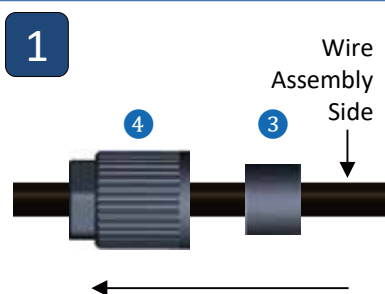
	1 & 3	3 & 5
Torque Force (Unit: kgf-cm)	3.0 ~ 4.0	6.0 ~ 8.0



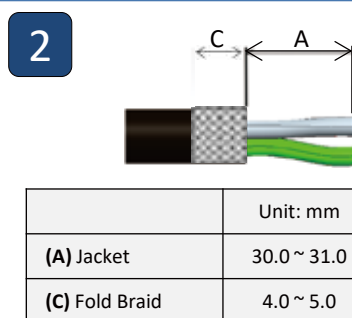
Pull cable while pressing the latches on the housing (red arrow) to disassemble housing & terminals. Assemble housing with 1 then start to re-work from STEP 3.



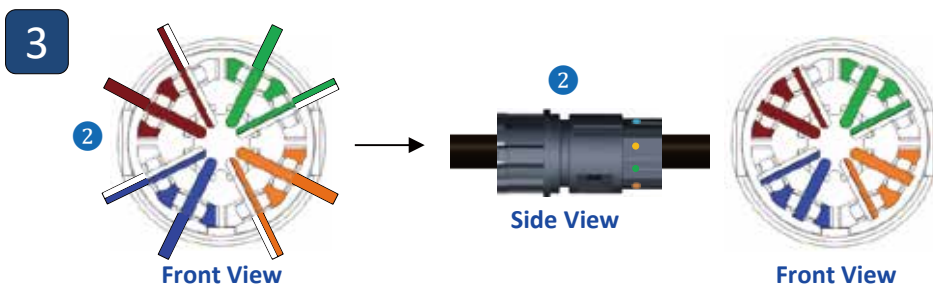
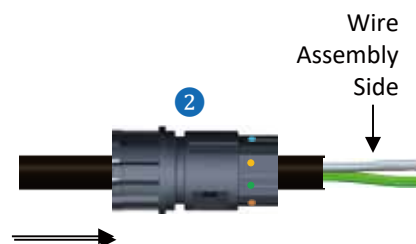
Coding	M12 X Code
Wire Range	26 ~ 22 AWG (0.14 ~ 0.34 mm <sup>2</sup> )
Cable O.D. (Unit: mm)	5.0 ~ 6.0 (Black Seal) 6.1 ~ 7.2 (Gray Seal)



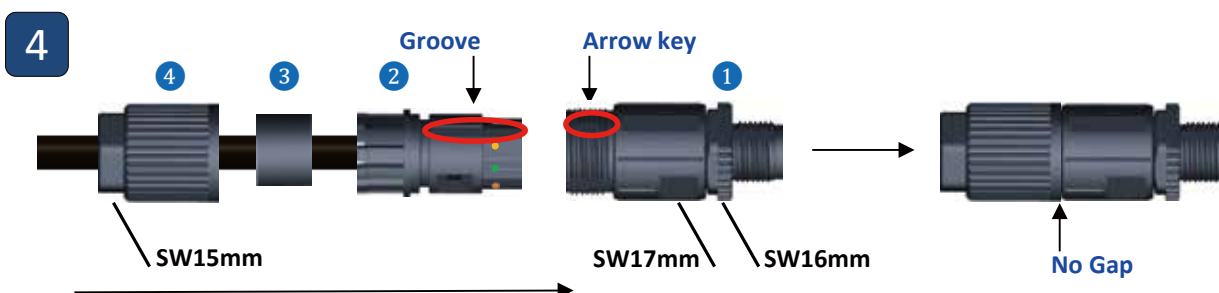
Choose ③ according to your cable O.D. and follow the order from ④ to ③ and put components through cable accordingly, no need to assemble here.



Follow suggested stripping length of (A) Jacket and (C) fold braid. Then insert cable through ② until you cannot push cable further.



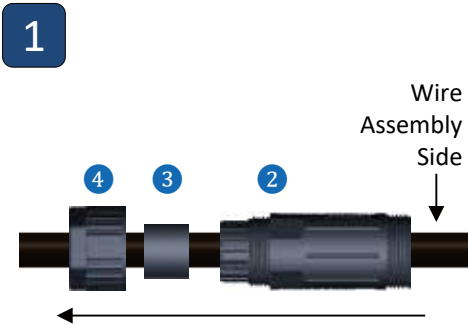
Rotate the cable and adjust the wire position by the color coding on ②, and place wires on cable holder accordingly. Cut off all the exceeding wires and the remaining wires should be less than 0.2mm.



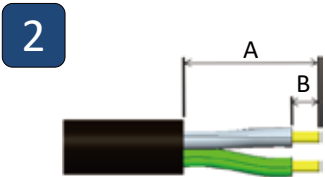
Follow the order ② → ①, ③ → ②, ④ → ① to assemble all components, make sure **Arrow Key** on ① and **Groove** on ② are aligned (See red circle). Tighten ④ onto ① and leave no gap.



Coding	M12 A Code
Wire Range	24 ~ 22AWG (0.25 ~ 0.34 mm <sup>2</sup> )
Cable O.D. (Unit: mm)	4.0 ~ 7.5

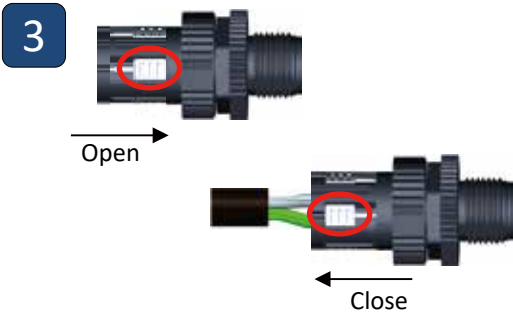


Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.

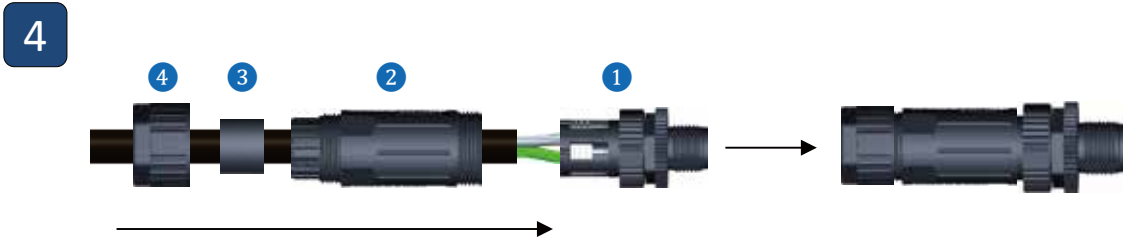


	Unit: mm
(A) Jacket	18.0 ~ 20.0
(B) Insulation	7.0 ~ 8.0

Follow suggested stripping length of (A) Jacket, (B) Insulation.

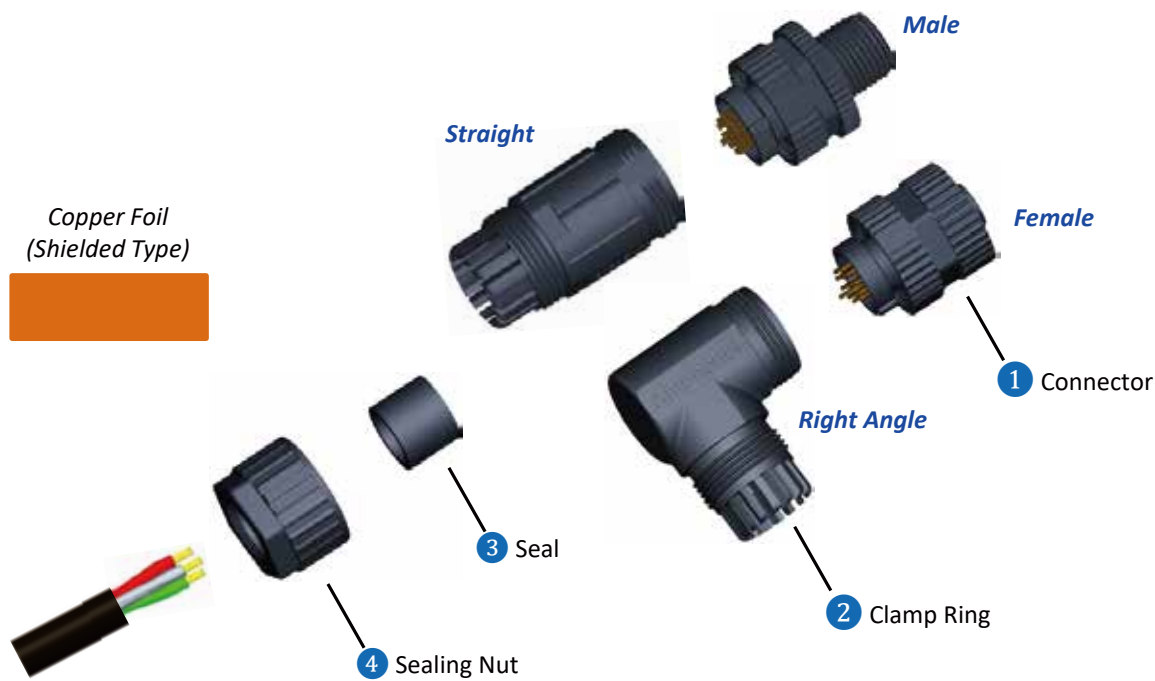


Make sure all latches are open (See figure above). Insert wires until the conductors are completely covered, and push latches backward to close.

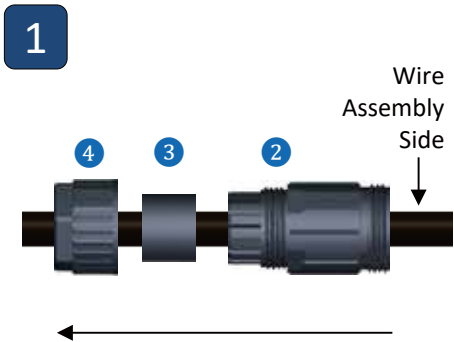


Follow the order 2 → 1, 3 → 2, 4 → 2 to assemble all components. And tighten 1 & 2, 2 & 4 with suggested torque force.

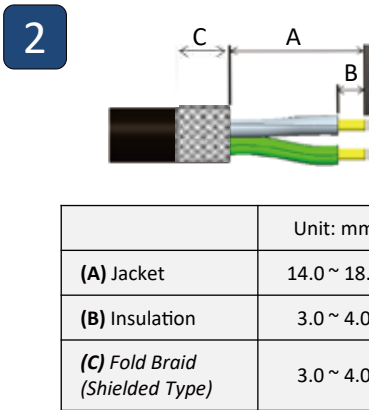
	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	3.0 ~ 4.0	6.0 ~ 8.0



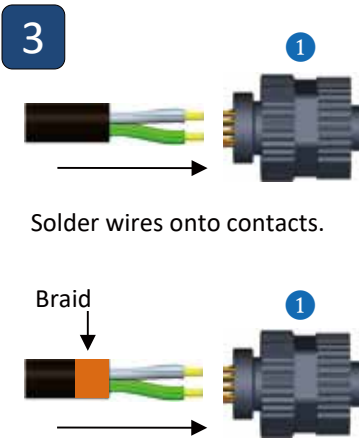
Coding	M12 A / B / D Code	M12 A Code	
Contact #	3 ~ 5 Pin	6 ~ 8 Pin	10 ~ 12 Pin
Wire Range	22 ~ 20 AWG (0.34 ~ 0.50 mm <sup>2</sup> )	24 ~ 22 AWG (0.25 ~ 0.34 mm <sup>2</sup> )	26 ~ 24 AWG (0.14 ~ 0.25 mm <sup>2</sup> )
Cable O.D. (Unit: mm)	4.5 ~ 6.5	4.5 ~ 6.5	4.0 ~ 8.0



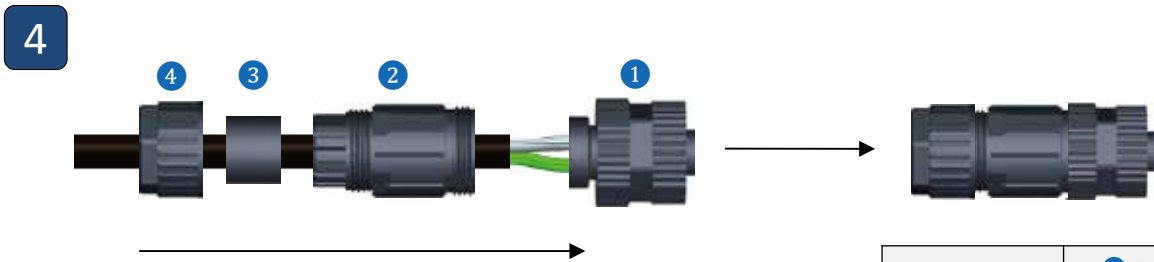
Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.



Follow suggested stripping length of (A) Jacket, (B) Insulation, (C) Fold Braid (For shielded type).

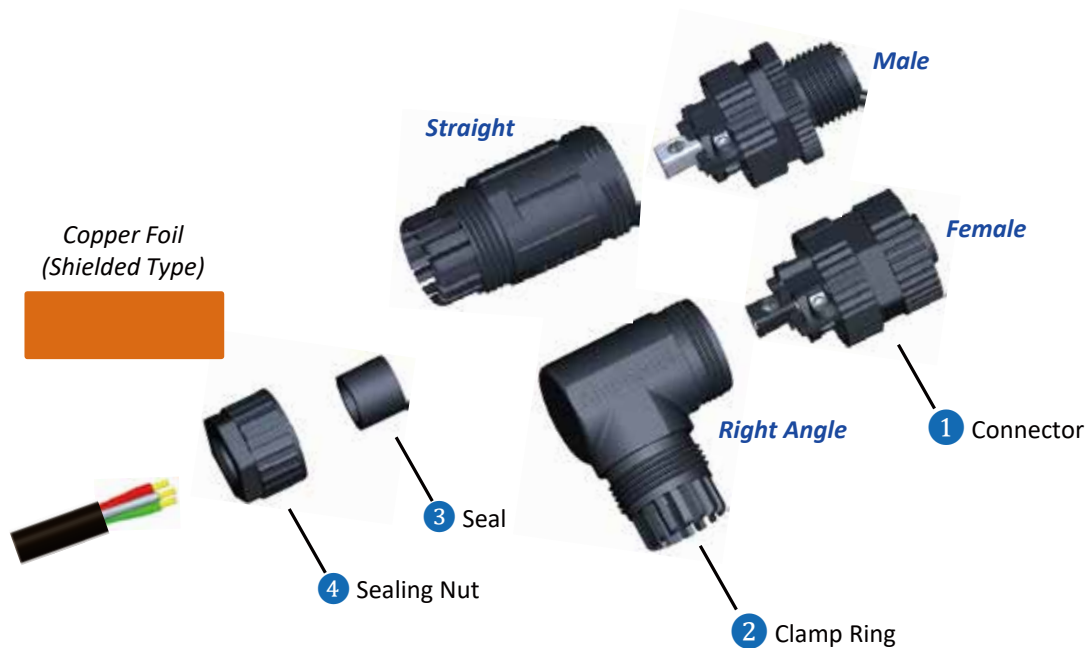


(For shielded type, follow the instruction above and wrap the braid with copper foil).

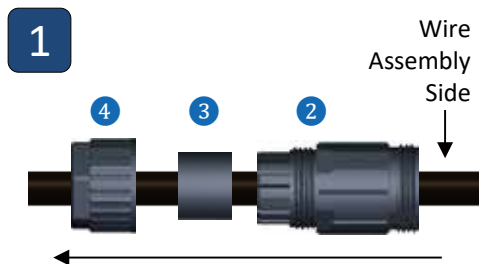


Follow the order 2 → 1, 3 → 2, 4 → 2 to assemble all components. And tighten 1 & 2, 2 & 4 with suggested torque force.

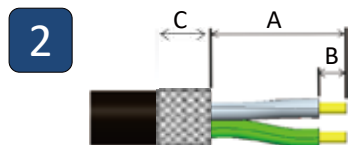
	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	3.0 ~ 4.0	6.0 ~ 8.0



Coding	M8 A Code	M12 A / B / D Code	M12 A Code	M12 S / T Code	M12 K / L Code
Contact #	3 ~ 4 Pin	3 ~ 5 Pin	6 ~ 8 Pin	4 Pin	5 Pin
Wire Range	24 ~ 22 AWG (0.25 ~ 0.34 mm <sup>2</sup> )	22 ~ 20 AWG (0.34 ~ 0.50 mm <sup>2</sup> )	26 ~ 24 AWG (0.14 ~ 0.25 mm <sup>2</sup> )	20 ~ 16 AWG (0.50 ~ 1.50 mm <sup>2</sup> )	16 ~ 14 AWG (1.50 ~ 2.50 mm <sup>2</sup> )
Cable O.D. (Unit: mm)	4.5 ~ 6.5	4.5 ~ 6.5	4.5 ~ 8.0	8.0 ~ 10.0	8.0 ~ 10.0 (Black Seal) 10.1 ~ 12.0 (Gray Seal) 12.1 ~ 14.0 (Black Seal)

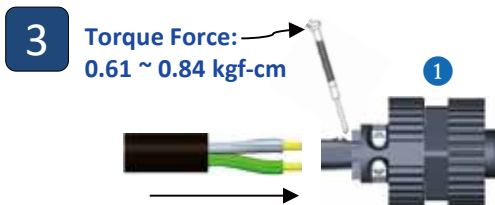


Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.

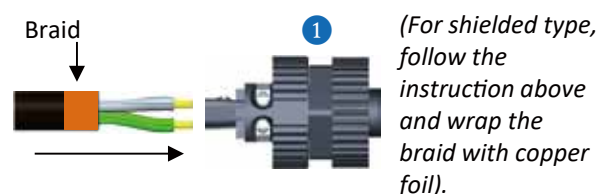


Follow suggested stripping length of (A) Jacket, (B) Insulation, (C) Fold Braid (For shielded type).

	M8	M12 A / B / D Code	M12 S / T Code	M12 K / L Code
(A) Jacket	8.0 ~ 12.0	14.0 ~ 18.0	28.0 ~ 32.0	29.0 ~ 31.0
(B) Insulation	3.0 ~ 4.0	5.0 ~ 6.0	8.0 ~ 9.0	5.0 ~ 6.0
(C) Fold Braid (Shielded Type)	-	5.0 ~ 6.0	-	-



Insert wires into contacts until the conductors are completely covered. Then tighten the screw by screw driver.



Follow the order 2 → 1, 3 → 2, 4 → 2 to assemble all components. And tighten 1 & 2, 2 & 4 with suggested torque force.

	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	3.0 ~ 4.0	6.0 ~ 8.0



# Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011181	PVC	Black	SJTW	12AWG*2C+Filler	10.70	60.80	163.10
WCA00011226	PVC	Black	SJTW	12AWG*3C	11.20	89.60	222.90
WCA00011182	PVC	Black	SJTW	12AWG*3C+Filler	11.70	89.85	207.67
WCA00011243	PVC	Black	UL2464	12AWG*3C+Filler	10.00	90.00	164.40
WCA00011242	PVC	Black	UL2464	12AWG*4C+Filler	11.00	120.40	228.70
WCA00012002	PVC	Black	SJTW	12AWG*4C+Filler	12.30	122.00	293.00
WCA00011183	PVC	Black	SJTW	12AWG*5C+Filler	13.60	149.50	328.90
WCA00010846	PVC	Black	UL1277, UL1581&UL83	14AWG*3C	9.70	53.80	134.20
WCA0485XX01	PVC	Black	UL2464	14AWG*3C+Talcum	7.00	55.80	100.10
WCA00011884	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00012012	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00011201	PVC	Black	UL21388	16AWG*2C+AL/Mylar	8.20	23.80	60.20
WCA00011206	PVC	Black	SJTW	16AWG*2C+Filler	8.20	24.25	85.10
WCA0264UV01	PVC	Black	UL2464	16AWG*2C+Talcum	5.80	23.80	57.70
WCA00010942	PVC	Black	UL2464	16AWG*2C+Talcum	7.80	24.20	95.00
WCA00010625	PVC	Black	UL2464	16AWG*3C+AL.Mylar+Drain	7.50	46.80	96.60
WCA00011202	PVC	Black	UL21388	16AWG*3C+AL/Mylar	8.60	35.70	71.50
WCA0579UV01	PVC	Black	UL2464	16AWG*3C+Drain+AL.Mylar	7.50	46.70	97.90
WCA00011207	PVC	Black	SJTW	16AWG*3C+Filler	8.60	36.02	105.21
WCA0285UV01	PVC	Black	UL2464	16AWG*4C+AL.Mylar	7.50	47.60	99.90
WCA00011203	PVC	Black	UL21388	16AWG*4C+AL/Mylar	9.30	47.60	88.40
WCA00011208	PVC	Black	SJTW	16AWG*4C+Filler	9.30	49.00	131.50
WCA00011204	PVC	Black	UL21388	16AWG*5C+AL/Mylar	10.70	59.40	99.80
WCA0263UV01	PVC	Black	UL2464	16AWG*5C+Talcum	7.80	59.50	108.80
WCA00011205	PVC	Black	UL21388	16AWG*6C+AL/PET	11.70	71.30	123.30
WCA0582UV01	PVC	Black	UL2464	16AWG*6C+Filler+Drain+AL.Mylar	9.50	82.10	153.60
WCA0583UV01	PVC	Black	UL2464	16AWG*7C+Drain+AL.Mylar	9.50	93.60	175.70
WCA00011299	PVC	Black	UL2464	18AWG*10C	9.00	77.00	145.00
WCE00010070-43	PVC	Black	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCE00010074-43	PVC	White	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCA00010897	PVC	Black	UL1277, UL15, 81&UL83	18AWG*3C	8.50	21.30	81.93
WCA00011209	PVC	Black	SJTW	18AWG*3C+Filler	8.00	21.30	81.93
WCA00010898	PVC	Black	UL1277, UL15, 81&UL83	18AWG*4C	9.20	35.00	125.00
WCE00010071-43	PVC	Black	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCE00010075-43	PVC	White	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCA00011240	PVC	Black	UL2464	20AWG*10C+AL.Mylar+Filler	9.00	48.00	116.40
WCA00011192	PVC	Black	UL21388	20AWG*10C+AL/Mylar	8.50	48.00	109.70
WCA00011436	PVC	Black	UL2464	20AWG*12C+AL.Mylar+Filler	9.00	57.60	125.10
WCA00011193	PVC	Black	UL21388	20AWG*12C+AL/Mylar	8.50	57.60	121.70
WCA00011200	PVC	Black	UL21388	20AWG*14C+AL/Mylar	8.50	67.20	130.60
WCA0470XX01	PVC	Black	UL2464	20AWG*14C+Braid	9.50	87.90	161.30
WCA0153XX01	PVC	Black	UL2464	20AWG*18C+AL.Mylar	9.50	86.40	154.20
WCA00011581-43	PVC	Black	UL 21996	20AWG*2C	5.20	9.40	34.02
WCA00011194	PVC	Black	UL21388	20AWG*18C+AL/Mylar	10.00	86.40	174.70
WCA00010781	PVC	Black	UL2464	20AWG*2C+AL.Mylar+Braid	5.50	17.70	41.60
WCA00011184	PVC	Black	UL21388	20AWG*2C+AL/Mylar	5.50	9.60	27.40
WCA0124UV01	PVC	Black	UL2464	20AWG*2C+Drain+AL.Mylar	5.80	14.40	48.40
WCE00010072-43	PVC	Black	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCE00010076-43	PVC	White	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCA00011580-43	PVC	Black	UL 21996	20AWG*3C	5.50	14.10	41.45
WCA0489UV01	PVC	Black	UL2464	20AWG*3C+AL.Mylar	5.00	14.40	39.30
WCA00010602	PVC	Black	UL2464	20AWG*3C+AL.Mylar+Braid+Drain	5.50	29.20	61.90
WCA00011185	PVC	Black	UL21388	20AWG*3C+AL/Mylar	5.50	14.40	43.70
WCA00011548-43	PVC	Black	UL 21996	20AWG*4C	6.00	18.80	48.46
WCA00011186	PVC	Black	UL21388	20AWG*4C+AL/Mylar	6.00	19.20	51.40
WCA0575UV01	PVC	Black	UL2464	20AWG*4C+Drain+AL.Mylar	5.50	24.00	52.10
WCE00010073-43	PVC	Black	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCE00010077-43	PVC	White	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCA00011187	PVC	Black	UL21388	20AWG*5C+AL/Mylar	6.20	24.00	59.20
WCA0576UV01	PVC	Black	UL2464	20AWG*5C+Drain+AL.Mylar	6.00	28.80	62.70
WCA00011188	PVC	Black	UL21388	20AWG*6C+AL/Mylar	6.80	28.80	71.80
WCA0577UV01	PVC	Black	UL2464	20AWG*6C+Drain+AL.Mylar	6.50	33.60	76.80
WCA00011189	PVC	Black	UL21388	20AWG*7C+AL/Mylar	6.80	33.60	75.80
WCA00010049	PVC	Black	UL2464	20AWG*7C+Drain+AL.Mylar	6.50	38.40	74.80
WCA00010550	PVC	Black	UL2464	20AWG*8C+AL.Mylar+Drain+Filler	6.80	43.00	86.00



# Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011190	PVC	Black	UL21388	20AWG*8C+AL/Mylar	7.20	38.40	87.00
WCA00011489-28	PVC	Black	UL2464	20AWG*9C+AL.Mylar+Drain	7.40	48.50	101.80
WCA00011191	PVC	Black	UL21388	20AWG*9C+AL/Mylar	7.60	43.20	97.30
WCA00010868	PVC	Black	UL2464	22AWG*2C+Talcum	4.20	6.20	24.60
WCA00011339	PVC	Yellow	UL2517	22AWG*3C	4.50	9.00	31.50
WCA00011343	PU	Black	UL20549	22AWG*3C	3.80	9.00	26.00
WCA00011459-28	PVC	Black	UL2517	22AWG*3C	4.50	9.30	31.00
WCA00010063	PU	Black	NONUL	22AWG*3C+Talcum	4.50	9.00	26.40
WCA0570UV01	PVC	Black	UL2464	22AWG*3C+Talcum	5.00	9.30	35.20
WCA00011340	PVC	Yellow	UL2517	22AWG*4C	4.80	11.70	40.00
WCA00011344	PU	Black	UL20549	22AWG*4C	4.00	12.00	31.80
WCA00011460-28	PVC	Black	UL2517	22AWG*4C	4.80	12.00	38.00
WCA00011813-01	PVC	Black	UL2517	22AWG*4C+AL.Mylar+Braid	5.30	22.00	46.00
WCA00011872	PU	Black	UL20549	22AWG*4C+AL.Mylar+Braid+Paper	5.30	22.00	48.00
WCA00010062	PU	Black	NONUL	22AWG*4C+Insulation	4.80	12.00	29.40
WCA0571UV01	PVC	Black	UL2464	22AWG*4C+Talcum	5.00	12.40	38.60
WCA00011341	PVC	Yellow	UL2517	22AWG*5C	5.10	15.50	43.80
WCA00011687-01	PVC	Black	UL2517	22AWG*5C+AL.Mylar+Filler+Braid	5.70	26.00	58.00
WCA00011345	PU	Black	UL20549	22AWG*5C+Filler	4.40	15.00	43.50
WCA00011461-28	PVC	Black	UL2517	22AWG*5C+Filler	5.10	15.00	43.00
WCA00011870	PU	Black	UL20549	22AWG*5C+Filler+AL.Mylar+Braid+Paper	5.70	26.00	51.00
WCA00012245	PU	Black	UL20549	22AWG*5C+Filler+Paper	5.60	19.00	51.00
WCA00010061	PU	Black	NONUL	22AWG*5C+Filler+Talcum+Paper	5.00	15.50	38.50
WCA0352XX02	PU	Black	NONUL	22AWG*5C+Talcum	5.00	15.50	47.50
WCA0521UV01	PVC	Black	UL2464	22AWG*5C+Talcum	5.50	15.50	47.50
WCA0556UV01	PVC	Black	UL2464	24AWG*10C+Drain+AL.Mylar	6.50	22.00	63.80
WCA0557UV01	PVC	Black	UL2464	24AWG*12C+Drain+AL.Mylar	7.00	26.00	72.30
WCA0558UV01	PVC	Black	UL2464	24AWG*14C+Drain+AL.Mylar	7.00	30.00	77.10
WCA0465UV01	PVC	Black	UL2464	24AWG*15C+Drain+AL.Mylar	7.00	32.00	77.60
WCA0560UV01	PVC	Black	UL2464	24AWG*18C+Drain+AL.Mylar	8.00	38.00	100.70
WCA0284UV01	PVC	Black	UL2464	24AWG*25C+Drain+AL.Mylar	9.00	51.90	130.90
WCA0072UV01	PVC	Black	UL2464	24AWG*2C+Drain+AL.Mylar	4.20	6.00	24.00
WCA0027UV01	PVC	Black	UL2464	24AWG*2C+Talcum	4.20	4.00	22.70
WCA00010114	PVC	Black	UL2464	24AWG*37C+Drain+AL/Mylar	9.50	74.00	153.20
WCA00011746-03	PVC	Black	UL2517	24AWG*3C+AL.Mylar+Braid	4.60	13.10	31.30
WCA0549UV01	PVC	Black	UL2464	24AWG*3C+Drain+AL.Mylar	4.50	8.00	29.00
WCA0006UV01	PVC	Black	UL2464	24AWG*3C+Talcum	4.50	6.00	27.70
WCA00011726-03	PVC	Black	UL2517	24AWG*4C+AL.Mylar+Braid	5.00	16.40	38.50
WCA0219UV01	PVC	Black	UL2464	24AWG*4C+Drain+AL.Mylar	5.80	10.00	45.60
WCA0036UV01	PVC	Black	UL2464	24AWG*4C+Talcum	5.00	8.00	32.40
WCA00011584-43	PVC	Black	UL 21996	24AWG*5C	5.50	9.88	41.20
WCA0551UV01	PVC	Black	UL2464	24AWG*5C+Drain+AL.Mylar	5.00	12.00	37.00
WCA0229UV01	PVC	Black	UL2464	24AWG*5C+Talcum	5.00	10.00	34.40
WCA00011583-43	PVC	Black	UL 21996	24AWG*6C	5.80	11.86	45.21
WCA00011214	PVC	Black	UL2464	24AWG*6C+AL.Mylar	5.00	12.00	39.40
WCA0217UV01	PVC	Black	UL2464	24AWG*6C+Drain+AL.Mylar	5.80	14.00	45.00
WCA00011479-28	PVC	Black	UL2517	24AWG*6C+Filler	5.00	12.00	40.00
WCA00012067	PVC	Black	UL21388	24AWG*6C+Filler+AL.Mylar	5.20	11.40	35.40
WCA00011421	PVC	Yellow	UL2517	24AWG*6C+Filler+Talcum	5.00	17.60	49.20
WCA00011422	PU	Black	UL20549	24AWG*6C+Filler+Talcum	5.00	13.00	34.00
WCA0087UV01	PVC	Black	UL2464	24AWG*7C+Drain+AL/Mylar	5.80	16.00	51.00
WCA00011342	PVC	Yellow	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011346	PU	Black	UL20549	24AWG*8C	4.80	15.50	35.00
WCA00011462-28	PVC	Black	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011698-01	PVC	Black	UL2517	24AWG*8C+AL.Mylar+Filler+Braid	5.80	27.00	60.00
WCA0003UV01	PVC	Black	UL2464	24AWG*8C+Drain+AL/Mylar	5.50	18.00	45.70
WCA00012066	PVC	Black	UL21388	24AWG*8C+Filler+AL.Mylar	5.60	15.20	43.40
WCA00011814-01	PU	Black	UL20549	24AWG*8C+Filler+AL.Mylar+Braid+Paper	5.80	26.00	51.00
WCA00012341	PU	Black	UL20549	24AWG*8C+Filler+Paper	6.70	19.00	65.00
WCA0203UV01	PVC	Black	UL2464	24AWG*8C+Talcum	5.50	16.00	45.30
WCA0528UV01	PVC	Black	UL2464	24AWG*9C+Drain+AL.Mylar	6.00	20.00	54.80
WCA0540UV01	PVC	Black	UL2464	26AWG*6C+Drain+AL.Mylar	5.00	9.80	33.70
WCA0543UV01	PVC	Black	UL2464	26AWG*10C+Drain+AL.Mylar	6.00	15.00	50.30
WCA00011400	PU	Black	UL20549	26AWG*10C+Filler	6.00	14.00	48.00
WCA00011401	PVC	Yellow	UL2517	26AWG*10C+Filler	6.00	14.00	52.00

# Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011463-01	PVC	Black	UL2517	26AWG*10C+Filler	6.00	14.00	52.00
WCA00011380	PU	Black	UL20549	26AWG*12C	6.00	16.00	47.00
WCA00011402	PVC	Yellow	UL2517	26AWG*12C	6.00	17.00	54.00
WCA00011464-01	PVC	Black	UL2517	26AWG*12C	6.00	17.00	55.00
WCA00011782-01	PVC	Black	UL2517	26AWG*12C+AL.Mylar+Braid	6.40	25.00	63.00
WCA00011871	PU	Black	UL20549	26AWG*12C+AL.Mylar+Braid+Paper	6.40	28.00	60.00
WCA0544UV01	PVC	Black	UL2464	26AWG*12C+Drain+AL.Mylar	6.00	17.60	53.10
WCA0545UV01	PVC	Black	UL2464	26AWG*15C+Drain+AL.Mylar	6.50	21.50	58.70
WCA00012148	PU	Black	UL20549	26AWG*17C+Filler	7.00	23.00	63.00
WCA00012173	PVC	Yellow	UL2517	26AWG*17C+Filler	7.00	24.00	73.00
WCA00012149	PVC	Black	UL2517	26AWG*17C+Filler	7.00	24.00	68.00
WCA00012151	PVC	Black	UL2517	26AWG*17C+Filler+AL.Mylar+Braid	7.50	40.00	91.00
WCA00012150	PU	Black	UL20549	26AWG*17C+Filler+AL.Mylar+Braid+Paper	7.50	39.00	80.00
WCA00010045	PVC	Black	UL2464	26AWG*22C+Drain+AL.Mylar	7.50	29.90	78.10
WCA0546UV01	PVC	Black	UL2464	26AWG*26C+Drain+AL.Mylar	8.00	35.80	91.30
WCA0449UV01	PVC	Black	UL2464	26AWG*31C+Drain+AL.Mylar	9.00	42.30	117.40
WCA0481UV01	PVC	Black	UL2464	26AWG*3C+Drain+AL.Mylar	4.00	5.20	22.40
WCA0547UV01	PVC	Black	UL2464	26AWG*44C+Drain+AL.Mylar	10.50	59.20	157.10
WCA0487UV01	PVC	Black	UL2464	26AWG*4C+Drain+AL.Mylar	4.80	7.20	30.80
WCA0486UV01	PVC	Black	UL2464	26AWG*5C+Drain+AL.Mylar	4.80	8.50	33.00
WCA00011480-01	PU	Black	-	CAT.5E 22AWG*2P+Drain+Filler+AL.Mylar	6.20	14.00	44.00
WCA00011527-17	LSZH	Green	-	CAT.6A S/FTP 26AWG*4P+AL/Polyester+Braid	6.60	17.99	47.08
WCA00010840	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	17.97	47.34
WCA0373XX01	PVC	Beige	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.00	18.00	41.80
WCA0664UV01	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL/Mylar	6.50	18.00	52.30
WCA0459XX01	PVC	Beige	-	CAT5E S-FTP 24AWG*4P+Mylar+AL.Mylar+D+B	6.10	30.97	55.00
WCA0663UV01	PVC	Black	-	CAT5E UTP 24AWG*4P	6.00	16.00	49.40
WCA00011688-03	PVC	Yellow	-	CL2 22AWG*2C+AL.Mylar+Drain+Braid	5.80	16.70	49.80
WCA0611XX01	PVC	Black	-	SJTW 14AWG*3C	9.50	56.70	154.50
WCA00010369	PVC	Black	-	STOOW 16AWG*4C	10.60	49.00	181.00
WCA00010899	PVC	Black	UL1277,UL1581,UL83	14AWG*3C+16AWG*1C	10.30	68.48	172.00
WCA00011252	PU	Black	UL20549	18AWG*2C+22AWG*4C+Filler+Paper	6.00	27.50	63.00
WCA00011253	PU	Black	UL20549	18AWG*2C+22AWG*6C+Filler+Paper	7.40	33.60	83.00
WCA00011254	PU	Black	UL20549	18AWG*2C+22AWG*8C+Filler+Paper	8.20	40.00	98.00
WCA00011582-43	PVC	Black	UL 21996	20AWG*2C+20AWG*3C	6.00	15.33	50.21
WCA0585UV01	PVC	Black	UL2464	24AWG*4C+20AWG*2C+Drain+AL.Mylar	6.00	22.40	57.40
WCA0042UV01	PVC	Black	UL2464	24AWG*6C+20AWG*2C+Drain+AL.Mylar	6.00	26.20	58.50
WCA0584UV01	PVC	Black	UL2464	26AWG*6C+24AWG*2C+Drain+AL.Mylar	5.50	13.70	42.80
WCA0365UV01	PVC	Black	-	28AWG*1P+24AWG*2C+AL.Mylar+Drain+Braid (USB2.0)	5.00	11.90	35.10
WCA00012165	PVC	Black	UL2725	28AWG*1P+28AWG*2C+AL.Mylar+Drain+Braid	3.80	10.00	21.00
WCA0691XX01	PVC	Black	UL2725	28AWG*1P+28AWG*3C+AL.Mylar+Drain+Braid	3.80	10.40	23.20
WCA00010259	PVC	Black	UL20276	[(18AWG*1P+AL)+(16AWG*1P+AL)]+Drain+AL+Braid	10.00	73.00	152.00
WCA00011922	PVC	Black	UL21996	(20AWG*1P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	8.50	50.61	115.27
WCA00010258	PVC	Black	-	[(22AWG*1P+AL)+(18AWG*1P+AL)]+Drain+AL.Mylar+Braid	7.00	42.00	80.00
WCA00010876	PVC	Black	UL2586	(24AWG*1P+A)*2C+16AWG*3C+EA	10.00	47.00	128.00
WCA00010257	PVC	Black	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+AL.Mylar+Braid	6.00	27.00	58.00
WCA00011350	PVC	Black	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+AL.Mylar+Braid	6.70	29.70	65.80
WCA00010437	PVC	Gray	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+Braid+Mylar	7.10	14.80	69.80
WCA00010080	PVC	Black	UL2464	(24AWG*25C+Mylar)+24AWG*25C+Drain+AL.Mylar	12.00	110.00	285.00
WCA00010710	PVC	Black	UL2464	(24AWG*2P+Drain+AL)+16AWG*3C+Filler+Paper	12.00	45.70	179.10
WCA00011923	PVC	Black	UL21996	(24AWG*2P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	11.50	99.97	187.20
WCA00010635	PVC	Black	UL2464	(24AWG*4P+Drain+AL)+16AWG*3C+Filler+Paper	11.00	41.70	149.70
WCA00010264	PVC	Black	UL20276	(26AWG*1P+Drain+AL.Mylar)*4C+26AWG*1P+26AWG*5C+AL.Mylar+Braid	8.50	45.50	94.30
WCA00011530-43	PVC	Black	UL21996	(26AWG*2P+AL.Mylar)+16AWG*2C+Filler+AL.Mylar	9.30	28.54	106.26
WCA00011531-43	PVC	Black	UL21996	(26AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	11.00	41.58	146.60
WCA00011532-43	PVC	Black	UL21996	(26AWG*4P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	13.50	101.34	269.21
WCA00012137	PVC	Black	UL2725	(28AWG*1P+DAM)*2+28AWG*1P+28AWG*2C+Filler+AL.Mylar+Drain+Braid	6.00	21.80	48.20
WCA00010095	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*4C+(1P+3C)*28AWG+AL+Braid	7.30	33.90	73.70
WCA00010097	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*7C+28AWG*1P+28AWG*3C+AL+Braid	8.50	41.40	90.90
WCA00010081	PVC	Black	UL2464	[(28AWG*28C+Mylar)+28AWG*22C+Mylar]+28AWG*28C+Drain+AL	13.00	63.70	238.40
WCA00010096	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL.Mylar+Mylar)*4+28AWG*1P+28AWG*6C]+AL.Mylar+Braid	8.50	53.50	93.10
WCA00010098	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL+Mylar)*7+28AWG*1P+28AWG*6C]+AL+Braid	10.00	71.00	145.50
WCA00011960	PU	Black	UL20233	5C*2.5mm <sup>2</sup> +Filler+Paper	10.20	116.00	191.00
WCA00011175	PU	Black	UL20549	8C*0.34mm <sup>2</sup> +3C*1.0mm <sup>2</sup> +Filler	8.60	54.00	116.00
WCA00011176	PU	Black	UL20549	16C*0.34mm <sup>2</sup> +3C*1.0mm <sup>2</sup> +Filler	9.70	79.00	161.00

# Power-limited Circuit Cable

## Specifications

- Rated Voltage: 300V
- Temperature Range: FEP: 70 °C  
PVC: 60 °C, 75 °C
- Test Voltage: 900V AC at 2 seconds
- Conductor Range: 28AWG ~ 10AWG
- Conductor Material Available: Standard Bare Copper
- Insulator Material Available: FEP/PVC
- Jacket Material: FEP/PVC
- O.D. Tolerance: > Ø17.8 mm



(UL) E489959-N CLXX XX AWG XX°C 300V

CLXX: UL13 Cable Type  
 • Plenum Rated: (2P), (3P)  
 • Riser Rated: (2R), (3R)  
 • General Rated: (2), (3)  
 • Residential Rated: (2X), (3X)

XX°C: Temperature Rating  
 • FEP: (70)  
 • PVC: (60), (75)

## Features & Applications:

Type	Fire Resistance Level	UL Standard	CSA	Application
CL3P CL2P	Plenum Rated (Highest)	UL 910, CMP	FT6	• Ducts or plenums air handling space
CL3R CL2R	Riser Rated	UL 1666, CMR	-	• Vertical shafts in non-plenum areas • Cable runs through more than one floor
CL3 CL2	General Purpose Rated	UL 1685, CMG/CM	FT4	• Power-limited circuit cable in non-plenum areas • Cable runs within one floor
CL3X CL2X	Residential Rated (Lowest)	VW-1, CMX	-	• Enclosed in non-plenum raceway or noncombustible tubing • Cable runs within one floor

Notes: UL File Number E489959; round or flat cable available

## Find Our Standard Products

Part Number		WCA00011262	WCA00011263	WCA00011435	WCA00011282	WCA00011283*	WCA00011272	WCA00011324
Cable Type		CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P
Conductor	AWG	10	16	16	16	16	18	22
	No.	2	2	2	8	16	2	2
	Dia.	2.6	1.3	1.3	1.3	1.3	1.02	0.64
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm	0.27mm	0.27mm	0.25mm
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm	0.56mm	0.42mm	0.46mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20 °C (Max.)		3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	21.9Ω/km	55.4Ω/km

\* Upon Request

Other cable types and customization are available upon request.

# UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket

## Specifications

- Rated Voltage: 300V
- Temperature Range: -40°C ~ 105°C
- Test Voltage: 2000V AC at 1 minute
- Wet Temperature Rating: 60°C (Max.)
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)  
Braid: Tinned Copper, Overlap 65% (Min.)  
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



**E489039-D** AWM 21996 XX AWG -40°C 105°C 300V VW-1 AWM I/II A/B -40°C 105°C 300V FT1 Sun Res Wet 60°C Cable

## Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

## Features

- Reference standard: UL Subject 758, UL1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

## Find Our Standard Products

### Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Conductor	AWG	20	20	20	24	24
	No.	2	3	4	5	6
	Dia.	0.942mm	0.942mm	0.942mm	0.609mm	0.609mm
Insulation	Nom. Thick.	0.38mm	0.38mm	0.38mm	0.35mm	0.35mm
	Nom. Dia.	1.70±0.10mm	1.70±0.10mm	1.70±0.10mm	1.30±0.07mm	1.30±0.07mm
Shield	Style	-	-	-	-	Paper
	Overlap	-	-	-	-	25%
Conductor Resistance at 20°C (Max.)		34.6 / km	34.6 / km	34.6 / km	93.0 / km	93.0 / km
Jacket	Nom. Thick.	0.98mm	0.92mm	0.95mm	0.92mm	0.95mm
	Nom. Dia.	5.2±0.15mm	5.5±0.20mm	6.0±0.20mm	5.5±0.20mm	5.8±0.20mm

# UL 21996 Multiple-Conductor Cable

## Using Non-Integral Jacket

### Multi-conductor Cable

Part Number		WCA00011532-43		WCA00011530-43		WCA00011531-43		WCA00011582-43	
Component		A	B	A	B	A	B	A	B
Conductor	AWG	12	26	16	26	16	26	20	24
	No.	3	4	2	2	2	2	2	3
	Dia.	2.365mm	0.480mm	1.490mm	0.480mm	1.490mm	0.480mm	0.942mm	0.609mm
Insulation	Nom. Thick.	0.46mm	0.46mm	0.40mm	0.46mm	0.40mm	0.46mm	0.38mm	0.35mm
	Nom. Dia.	3.30±0.15mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	1.70±0.10mm	1.30±0.07mm
Shield	Style	-	Al. Mylar	-	Al. Mylar	-	Al. Mylar	-	Paper
	Overlap	-	25%	-	25%	-	25%	-	25%
Drain	AWG	-	26	-	-	-	26	-	-
	Dia.	-	0.480mm	-	-	-	0.480mm	-	-
Conductor Resistance at 20°C (Max.)		5.54 / km	148.0 / km	13.7 / km	148.0 / km	13.7 / km	148.0 / km	34.6 / km	93.0 / km
Jacket	Nom. Thick.	1.65mm		1.65mm		1.65mm		0.9mm	
	Nom. Dia.	13.5±0.40mm		9.3±0.25mm		11.0±0.30mm		6.0±0.20mm	
Impedance		120±15		120±15		120±15		-	

Customization is available upon request.

# UL 21388 Jacket Cable

## Specifications

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000V AC at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)  
Braid: Tinned Copper, Overlap 65% (Min.)  
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D AWM 21388 XX AWG 80°C 300V VW-1, AWM I/II A/B 80°C 300V FT1 Sun Res Cable

## Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

## Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

## Find Our Standard Products

Part Number		WCA00011201	WCA00011202	WCA00011203	WCA00011204	WCA00011205	WCA00011184
Conductor	AWG	16	16	16	16	16	20
	No.	2	3	4	5	6	2
	Dia.	1.496mm	1.496mm	1.496mm	1.496mm	1.496mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	6.00±0.20mm	6.50±0.20mm	6.80±0.20mm	7.60±0.20mm	8.40±0.20mm	5.50±0.20mm
Conductor Resistance at 20°C (Max.)		14.7 / km	14.7 / km	14.7 / km	14.7 / km	14.7 / km	36.7 / km



# UL 21388 Jacket Cable

## Find Our Standard Products

Part Number		WCA00011185	WCA00011186	WCA00011187	WCA00011188	WCA00011189	WCA00011190
Conductor	AWG	20	20	20	20	20	20
	No.	3	4	5	6	7	8
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	5.50±0.20mm	6.00±0.20mm	6.20±0.20mm	6.80±0.20mm	6.80±0.20mm	7.20±0.20mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Part Number		WCA00011191	WCA00011192	WCA00011193	WCA00011200	WCA00011194
Conductor	AWG	20	20	20	20	20
	No.	9	10	12	14	18
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	7.60±0.20mm	8.50±0.25mm	8.50±0.25mm	8.50±0.20mm	10.0±0.30mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Customization is available upon request.

# UL 2464 Multiple - Conductor Cable Using Non-Integral Jacket

## Specifications

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000V AC at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)  
Braid: Tinned Copper, Overlap 65% (Min.)  
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D  AWM 2464 XX AWG 80°C 300V VW-1,  AWM I/II A/B 80°C 300V FT1 Cable

## Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

## Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

## Question

Our most popular FAQs will help you to easily find the answers you need.



### **Q: What connectors can be used for power and signal distribution?**

A: Ceres, SENSOR, X-Lok, RBL and HS-Lok connectors. For more detailed information and guide, please refer to our "Product Summary Table".

### **Q: Can ALTW connectors be used in direct burial?**

A: No, they are not designed for this type of application. They should be routed inside a conduit or other means of reinforcement if deployed underground.

### **Q: Can ALTW connectors be used in continuous water immersion?**

A: No, there is a limitation for their immersion to water as defined on each IP rating. Only "Deeptronica" series can be used in permanent immersion.

### **Q: Why are ALTW connectors called waterproof if they can only be immersed for a certain period? Shouldn't they be called water resistant?**

A: As long as the immersion period does not surpass the conditions specified on the IP rating, they can be referred to as waterproof.

### **Q: What is the Ingress Protection (IP) of ALTW connectors?**

A: It ranges from IP65 to IP69K.

### **Q: Can ALTW connectors be connected/disconnected under load?**

A: By default, only connectors for data (RJ45, DVI, HDMI, and USB) can be used in hot-plugging. Power connectors need to be customized to achieve this.

## FAQ

### **Q: Do ALTW connectors comply with MIL STD?**

A: No, ALTW connectors are only evaluated under EIA, IEC and UL standards.

### **Q: What connectors can be used in high-speed base band data transmission?**

A: Ceres, X-Lok, M12 D & X-coded, RJ45, DVI, HDMI, USB and FLOS connectors.

### **Q: Can ALTW connectors be customized to meet certain requirements?**

A: Yes, connectors can be customized to meet customer requirements. If a certification is required, it will be applied. If not, ALTW can provide in-house test reports as a confirmation that the pre-defined specifications have been met.

### **Q: Do ALTW connectors have ATEX certification?**

A: No, ALTW connectors are not yet certified by ATEX.

### **Q: What is the difference between Oleophobic and Hydrophobic protective vents? What is the main function of the vent?**

A: These properties refer to the fluid resistance of the membrane in the vent. Hydrophobic means that the membrane is water repelling, while Oleophobic means the membrane is oil repelling.

They are used in applications that require the balancing of internal and external pressures such as electrical cabinets, wireless access points, control hubs and junction boxes. The trapped air inside the enclosures expands or contracts relative to the heat emitted by the components it encloses and the external ambient temperatures.



If your question is not answered here, please contact Amphenol LTW Customer Service or browse our website for more information.  
[www.amphenolltw.com](http://www.amphenolltw.com)

Scan here to contact us or e-mail us at [sales@ltw-tech.com](mailto:sales@ltw-tech.com)

## UV Resistant

Being resistant to ultraviolet light (UV), or sunlight, means being able to withstand or resist the degradation caused by ultraviolet light. UV light causes non-resistant materials and surfaces to fade or discolor.

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## Flammability

The ability of a chemical to burn or ignite, causing fire or combustion. The degree of difficulty required to cause the combustion of a chemical is quantified through fire testing.

Flammability can be classified as low (least flame-retarded) to high (most flame-retarded). From lowest to highest it is classified as follows:

- HB - horizontal slow burning: Burning rate under 76mm/min for a thickness below 3mm or the burning stops before 100mm
  - V-2: Burning stops within 30 seconds on a vertical specimen and drips of flaming particles are allowed
  - V-1: Burning stops within 30 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
  - V-0: Burning stops within 10 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
- 

## IEC

The International Electrotechnical Commission (IEC) is the world's leading organization for the preparation and publication of international standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The IEC provides a platform for companies, industries and governments to meet, discuss and develop the international standards they require. All IEC standards are consensus-based and represent the needs of the key stakeholders of every nation participating. Every member country has a vote on what is included into an IEC international standard.

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## UL 50e

This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations. It covers additional environmental construction and performance requirements for enclosures.

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## UL 1863

This standard applies to Safety Communication - circuit Accessories. It covers telecommunications-circuit accessories, such as jack and plug assemblies, quick-connect terminal assemblies, telephone wall plates, telephone extension cords, cross-connect terminal-block assemblies, maintenance terminal modules, terminal enclosures, cable-splice enclosures, network-interface devices, wire-guide assemblies, and connector boxes.

## UL 1977

These requirements cover single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment.

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## UL 2237

This standard covers multi-point interconnection power cable assemblies. They may consist of power cable assemblies, male or female power cable fittings, panel-mounted power cable/conductor fittings and feeder-tap power cable fittings, referred to as the device in this standard, used with industrial machinery in accordance with the National Fire Protection Association Electrical Standard for Industrial Machinery, NFPA 79 that have system voltages up to and including 1,000 V.

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## UL 2238

These requirements cover devices intended for inter-connection of equipment, sensors, and actuators in remote-control, signaling, and power-limited circuits. Included are cable assemblies and fittings, feeder-tap cable systems, feed-through connectors, multi-outlet fittings, panel-mount fittings, and splitters. These devices are rated at no more than 60 A and no more than 600 V. These devices are not intended for disconnect means.

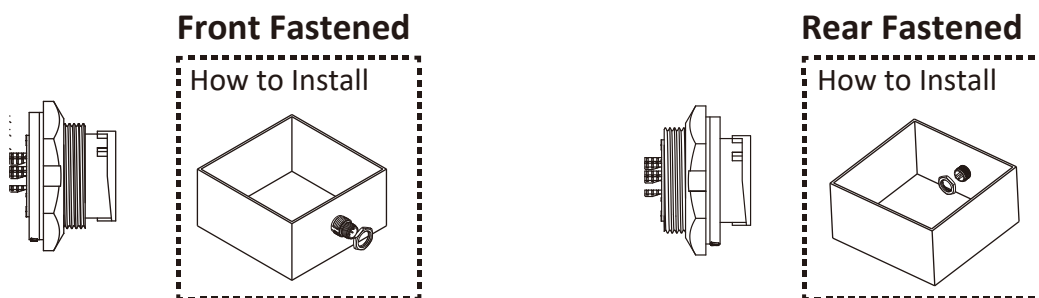
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## LV214

This automotive standard was developed by German car manufacturers Audi, BMW, Daimler, Porsche and Volkswagen. It addresses the ability of terminals to be effectively evaluated by crimp force monitors. The terminals must exhibit certain crimp force to be used in an automotive wire harness.

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## Fasten Style of Nut





## Mating Style

### Screw Thread

- Ceres
- RJ45
- Cable Joiner & FICX
- Power
- USB
- M Series
- HDMI
- Cable Gland
- NMEA
- RF
- LED Light Guide
- D-Sub
- DVI
- Vent

### 2 Points Lock Bayonet

- Ceres
- Power
- USB

### 3 Points Lock Bayonet

- Ceres
- Power
- RJ45
- Fiber

### Push Pull

- M Series
- FLOS & FLOS+
- HS-Lok
- USB

### Push Lock With Latches

- RBL
- D-Sub
- SSL

### Push Lock

- X-Lok
- USB

## Termination Style



PCB 180°



PCB 90°



Solder



Screw In



Crimp



IDC



Push In



SMT

## ODVA

ODVA is a global association whose members comprise of world's leading automation companies. ODVA's mission is to advance open, interoperable information and communication technologies in industrial automation. The association recognizes its media independent network protocol, the Common Industrial Protocol or "CIP" – and the network adaptations of CIP – EtherNet/IP, DeviceNet, CompoNet and ControlNet – as its core technology and the primary common interest of its membership.

ODVA's vision is to contribute to the sustainability and prosperity of the global community by transforming the model for information and communication technology in the industrial ecosystem.

## NMEA 2000

NMEA 2000 is a protocol used to create a network of electronic devices – mainly marine instruments – on a boat. Various instruments that meet the NMEA 2000 standard are connected to one central cable, known as a backbone. The backbone powers each instrument and relays data among all the instruments on the network. This allows one display unit to show many different types of information and allows the instruments to work together. NMEA 2000 is meant to be "plug and play" to allow devices made by different manufacturers to talk and listen to each other.

## Amphenol LTW's IPCS (Intelligent Pre-cabling Systems)

Amphenol LTW Intelligent Pre-Cabling System (IPCS) is your solution for the LED Lighting incorporation in indoor and outdoor applications. With a simplified design and wide flexibility, IPCS solves all your needs for electrical wiring and cabling infrastructure. It also provides large savings in on-site installation time and costs. The concept of IPCS is suitable for ALTW's various connector series, ideal for a large variety of customization.

## Amphenol LTW's Power / Data / Hybrid Solutions

We are dedicated to developing interconnect solution to fulfill customer requirements of power or data applications, and as devices increasingly carry more functions in reduced spaces, Hybrid solutions are the answer to space limitation and multi-function. Below is the product series for Power, Data, and Hybrid applications.

### 0.5A ~ 2A

- Ceres
- X-Lok
- M Series
- D-Sub
- DVI
- HDMI
- USB
- HS-Lok
- FLOS & FLOS+

### 3A ~ 5A

- Ceres
- X-Lok
- M Series
- D-Sub
- SSL
- RBL
- HS-Lok
- FLOS & FLOS+
- NMEA 2000
- USB

### 6A ~ 10A

- Ceres
- X-Lok
- M Series
- Power
- Mini
- RBL
- FLOS & FLOS+
- NMEA 2000
- USB
- Cable Joiner & FICX

### 11A ~ 20A

- Ceres
- X-Lok
- M Series
- Power
- Mini
- RBL
- FLOS & FLOS+
- Cable Joiner & FICX

### 25A ~ 30A

- M Series
- FLOS & FLOS+
- Power

### 50A

- X-Lok
- Power

### 80A

- X-Lok
- Power

### 120A ~ 150A

- Power

## Cross Section Conversion From AWG To mm<sup>2</sup>

26 AWG	0.14 mm <sup>2</sup>	16 AWG	1.50 mm <sup>2</sup>	4 AWG	25.00 mm <sup>2</sup>
24 AWG	0.25 mm <sup>2</sup>	14 AWG	2.50 mm <sup>2</sup>	2 AWG	35.00 mm <sup>2</sup>
22 AWG	0.34 mm <sup>2</sup>	12 AWG	4.00 mm <sup>2</sup>	1 AWG	50.00 mm <sup>2</sup>
20 AWG	0.50 mm <sup>2</sup>	10 AWG	6.00 mm <sup>2</sup>	2/0 AWG	70.00 mm <sup>2</sup>
18 AWG	0.75 mm <sup>2</sup>	8 AWG	10.00 mm <sup>2</sup>		
17 AWG	1.00 mm <sup>2</sup>	6 AWG	16.00 mm <sup>2</sup>		

# Ingress Protection (IP) Rating Guide

## Waterproof Definition

### Unmated Waterproof



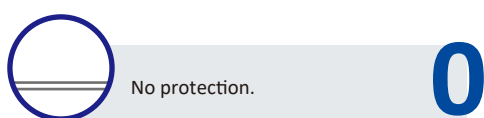
Standalone waterproof or waterproof is assured even without its counterpart. The water will not go through the inner portion of the exposed connector as it is entirely sealed.

### Mated Waterproof



Waterproof is only assured when mated and locked tightly to its counterpart.

#### 1st numeral - solid foreign objects



No protection.

**0**



Protected against solid foreign objects of 50 mm Ø and greater.

**1**



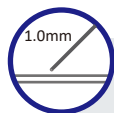
Protected against solid foreign objects of 12,5 mm Ø and greater.

**2**



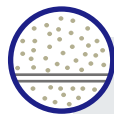
Protected against solid foreign objects of 2,5 mm Ø and greater.

**3**



Protected against solid foreign objects of 1,0 mm Ø and greater.

**4**



Dust-protected.

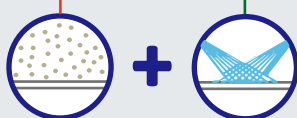
**5**



Dust-tight.

**6**

Example:

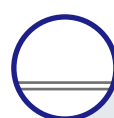


**IP 65**

Protected against water jets.

Dust-tight.

#### 2nd numeral - water



No protection.

**0**



Protected against vertically falling water drops.

**1**



Protected against vertically falling water drops when enclosure tilted up to 15°.

**2**



Protected against spraying water.

**3**



Protected against splashing water.

**4**



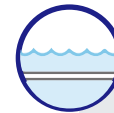
Protected against water jets.

**5**



Protected against powerful water jets.

**6**



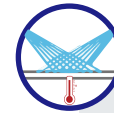
Protected against the effects of temporary immersion in water.

**7**



Protected against the effects of continuous immersion in water.

**8**



Protected against high pressure and temperature water jets.

**9K**

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