



CATALOGUE

Power-limited Circuit Cable



(UL) E489959-N **CLXX** XX AWG **XX°C** 300V Amphenol LTW

CLXX: UL 13 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 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

Specification

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

Customization is available upon request.

Find Our Standard Products

Part Number		WCA00011262-35	WCA00011263-35	WCA00011435-35	WCA00011282-35
Cable Type		CL3P	CL3P	CL3P	CL3P
Conductor	AWG	10	16	16	16
	No.	2	2	2	8
	Dia.	2.6	1.3	1.3	1.3
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm
Conductor Resistance at 20°C (Max.)		3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km

Part Number		WCA00011283-35	WCA00011272-35	WCA00011324-35
Cable Type		CL3P	CL3P	CL3P
Conductor	AWG	16	18	22
	No.	16	2	2
	Dia.	1.3	1.02	0.64
Insulation	Nom. Thick.	0.27mm	0.27mm	0.25mm
	Nom. Dia.	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.56mm	0.42mm	0.46mm
	Nom. Dia.	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20°C (Max.)		13.7Ω/km	21.9Ω/km	55.4Ω/km

Other cable types and customization are available upon request.

UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket



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 Amphenol LTW

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

Specification

Rated Voltage	300V
Temperature Range	-40°C ~ 105°C
Test Voltage	2,000Vac at 1 minute
Wet Temperature Rating	60°C (Max.)
Conductor Range*	30AWG ~ 10AWG
Conductor Material Available	Tinned Copper
Insulator Material Available	PVC / FEP
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

Customization is available upon request.

Find Our Standard Products

Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Component		-	-	-	-	-
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%
Drain	AWG	-	-	-	-	-
	Dia.	-	-	-	-	-
Conductor Resistance at 20°C (Max.)		34.6Ω/km	34.6Ω/km	34.6Ω/km	93.0Ω/km	93.0Ω/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
Impedance		-	-	-	-	-

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.)		5.54Ω/km	148.0Ω/km	13.7Ω/km	148.0Ω/km	13.7Ω/km	148.0Ω/km	34.6Ω/km	93.0Ω/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±15Ω		120±15Ω		120±15Ω		-	

Customization is available upon request.

【Note】 Design and specification are subject to change without notice.

UL 21388 Jacket Cable



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

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
- 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

Specification

Rated Voltage	300V
Temperature Range	~ 80°C
Test Voltage	2,000Vac at 1 minute
Conductor Range*	30AWG ~ 10AWG
Conductor Material Available	Tinned Copper
Insulator Material Available	PVC / FEP / 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

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Find Our Standard Products

Part Number		WCA00011201-43	WCA00011202-43	WCA00011203-43	WCA00011204-43	WCA00011205-43	WCA00011184-43
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.)		14.7Ω/km	14.7Ω/km	14.7Ω/km	14.7Ω/km	14.7Ω/km	36.7Ω/km

Part Number		WCA00011185-43	WCA00011186-43	WCA00011187-43	WCA00011188-43	WCA00011189-43	WCA00011190-43
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.)		36.7Ω/km	36.7Ω/km	36.7Ω/km	36.7Ω/km	36.7Ω/km	36.7Ω/km

Part Number		WCA00011191-43	WCA00011192-43	WCA00011193-43	WCA00011200-43	WCA00011194-43
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.)		36.7Ω/km	36.7Ω/km	36.7Ω/km	36.7Ω/km	36.7Ω/km

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UL 2464 Multiple-Conductor Cable Using Non-Integral Jacket



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

Application

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Features

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- Lead free PVC jacket
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
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Specification

Rated Voltage	300V
Temperature Range	~ 80°C
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Insulator Material Available	PVC / FEP / 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

Customization is available upon request.

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