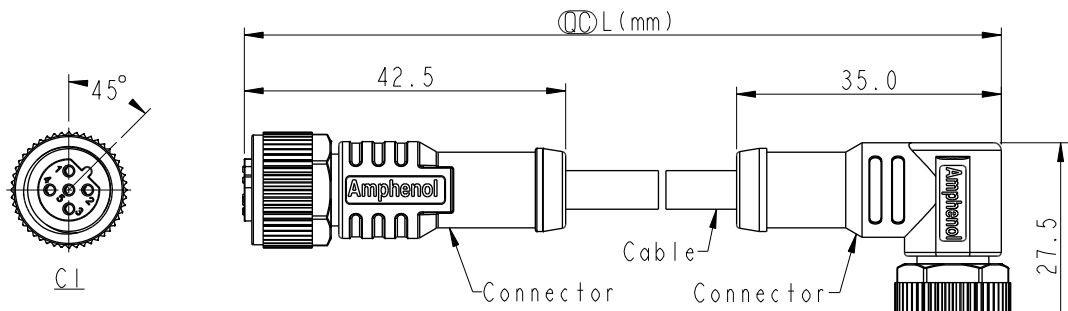


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REV.	ECN NO.	DATE	SIGN	DESCRIPTION
B	C201781	2020/11/12	Ruru	$\triangle B$ X3
C	C210497	2021/03/30	Ruru	$\triangle C$ X2
D	C230014	2022/12/30	Ruru	$\triangle D$ X2



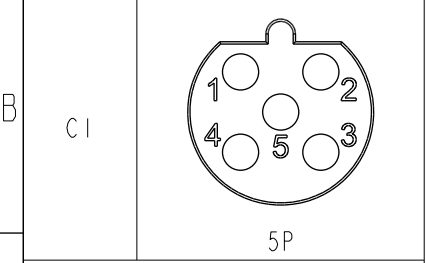
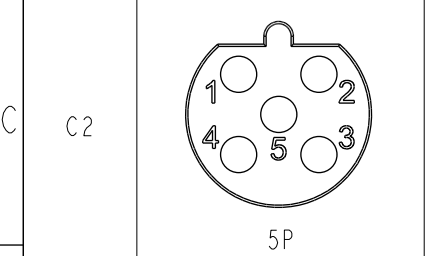
$\triangle B$   
MSBPXXFL-SBPFR-SBXXX

XX: No. Of Pin

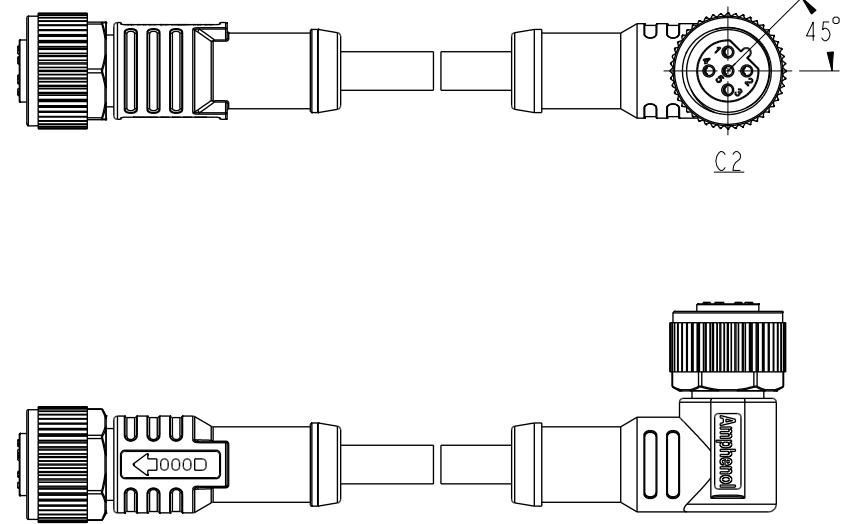
XXX: 0.5-99Meters  
 A05: 0.5 Meter  
 1: 01 Meter  
 2: 02 Meters  
 ...  
 99: 99 Meters

Pin Out	Wire Color	Wire Color (Chinese)
5	Gray	灰
4	Black	黑
3	Blue	藍
2	White	白
1	Brown	棕

Pin # Wire



Pin Assignments Front View



Note:  $\triangle B$   $\triangle C$

- \* RoHS Compliant
- \*  $\odot$  Important dimension
- \* C1
- $\triangle D$  Waterproof rate: IP68, mated 1m/24h  
 IP69K, mated  
 Housing: Thermoplastic, Black  
 Pin: Copper alloy, Gold plated  
 O-Ring: Rubber, Green  
 Nut: Thermoplastic, Black  
 Outer mold: Thermoplastic, Black
- \* C2
- $\triangle D$  Waterproof rate: IP68, mated 1m/24h  
 IP69K, mated  
 Housing: Thermoplastic, Black  
 Pin: Copper alloy, Gold plated  
 O-Ring: Rubber, Green  
 Nut: Thermoplastic, Black  
 Outer mold: Thermoplastic, Black
- \* Cable: UL20549, 22#5C, OD=4.4mm, PUR Jacket, Black
- \* Cable length tolerance: 0.5M < L ≤ 1M: +60/-0 mm  
 1M < L ≤ 3M: +120/-0 mm  
 3M < L ≤ 5M: +160/-0 mm  
 5M < L ≤ 10M: ±100 mm  
 10M < L ≤ 20M: ±200 mm  
 20M < L ≤ 30M: ±300 mm  
 30M < L ≤ 99M: ±500 mm

UNIT:mm		TITLE	ACC, SEN, B Code, DB-ENDED FF	
TOLERANCE	± 0.5 mm	SCALE	1:2	SIZE A4
		REV.	D	WC-REV.
			$\odot$ : Inspection item	

**Amphenol LTW**  
 安費諾亮泰企業股份有限公司

ITEM NO	MSBPXXFL-SBPFR-SBXXX	DRAWN BY	Ruru	DATE	2018-12-10
DWG NO	MSBPXXFL-SBPFR-SBXXX	CHECKED BY	Rita	DATE	2018-12-10
CUSTOMER	ALTW	APPROVED BY	Max	DATE	2018-12-10