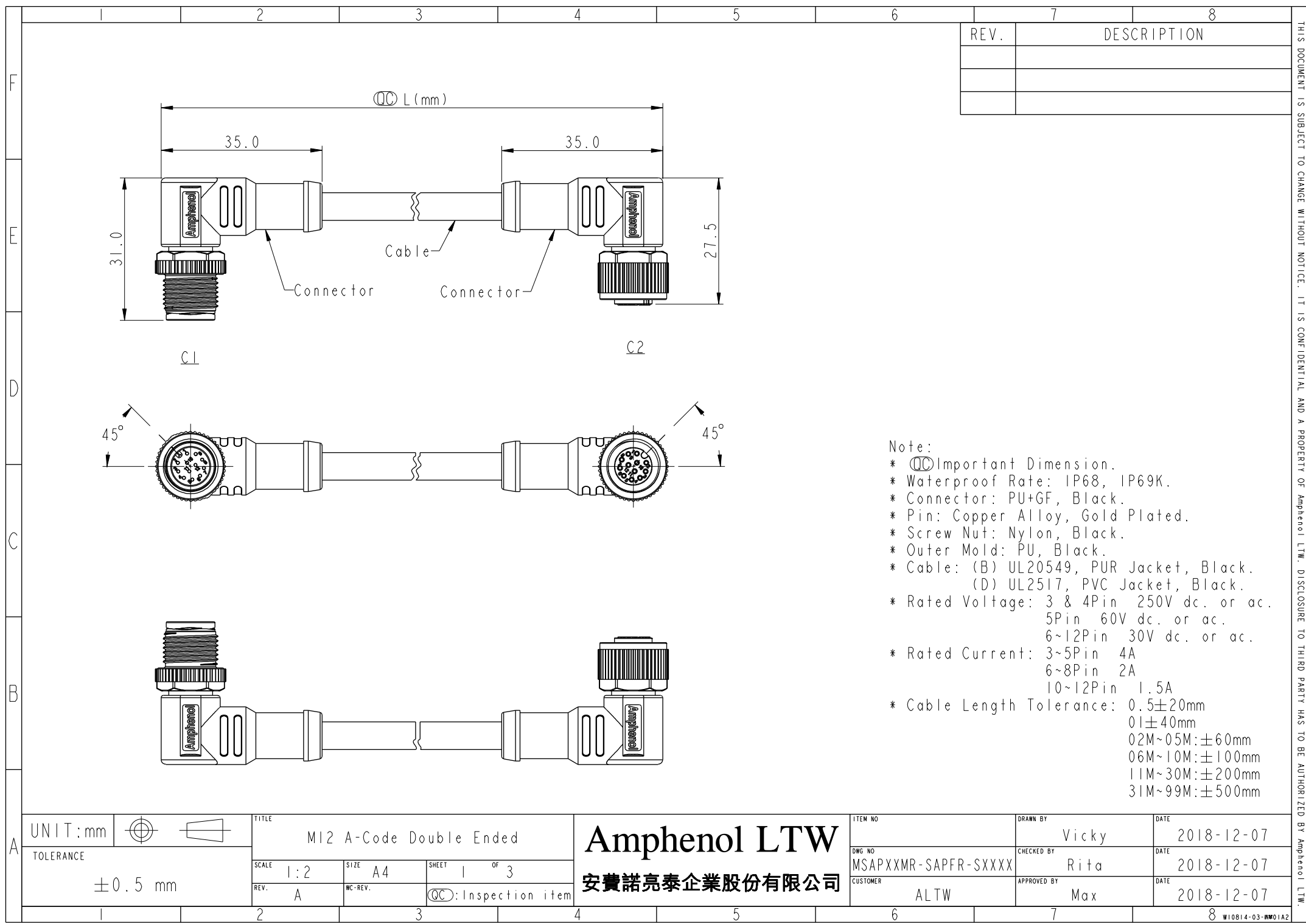




Note:

- * $\varnothing$ Important Dimension.
- * Waterproof Rate: IP68, IP69K.
- * Connector: PU+GF, Black.
- * Pin: Copper Alloy, Gold Plated.
- * Screw Nut: Nylon, Black.
- * Outer Mold: PU, Black.
- * Cable: (B) UL20549, PUR Jacket, Black.
(D) UL2517, PVC Jacket, Black.
- * Rated Voltage: 3 & 4Pin 250V dc. or ac.
5Pin 60V dc. or ac.
6~12Pin 30V dc. or ac.
- * Rated Current: 3~5Pin 4A
6~8Pin 2A
10~12Pin 1.5A
- * Cable Length Tolerance: 0.5 $\pm$ 20mm
01 $\pm$ 40mm
02M~05M: $\pm$ 60mm
06M~10M: $\pm$ 100mm
11M~30M: $\pm$ 200mm
31M~99M: $\pm$ 500mm

UNIT:mm		TITLE		ITEM NO		DRAWN BY		DATE	
TOLERANCE		MI2 A-Code Double Ended		MSAPXXMR-SAPFR-SXXXX		Vicky		2018-12-07	
± 0.5 mm		SCALE	1:2	SIZE	A4	SHEET	1	OF	3
		REV.	A	WC-REV.		QC: Inspection item		CHECKED BY	Rita
						ALTW		DATE	2018-12-07
						Max		DATE	2018-12-07

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12P	PVC	6.0	26	MSAPI2MR-SAPFR-SDXXX
10P				MSAPI0MR-SAPFR-SDXXX
8P		5.5	24	MSAP08MR-SAPFR-SDXXX
6P				MSAP06MR-SAPFR-SDXXX
5P		5.1	22	MSAP05MR-SAPFR-SDXXX
4P				MSAP04MR-SAPFR-SDXXX
3P				MSAP03MR-SAPFR-SDXXX
12P	PUR	6.0	26	MSAPI2MR-SAPFR-SBXXX
10P				MSAPI0MR-SAPFR-SBXXX
8P		4.8	24	MSAP08MR-SAPFR-SBXXX
6P				MSAP06MR-SAPFR-SBXXX
5P		4.4	22	MSAP05MR-SAPFR-SBXXX
4P				MSAP04MR-SAPFR-SBXXX
3P				MSAP03MR-SAPFR-SBXXX
Contacts	Cable Jacket	Cable OD	AWG	Item No.

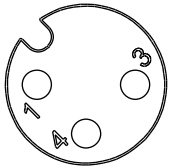
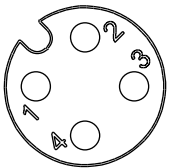
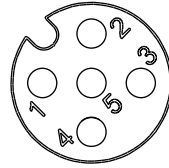
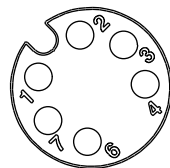
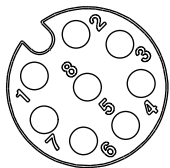
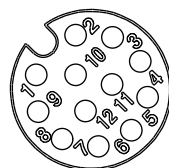
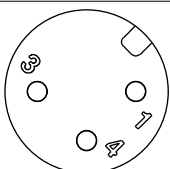
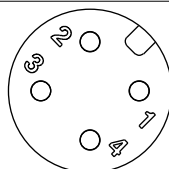
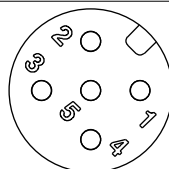
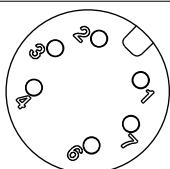
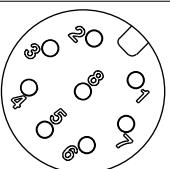
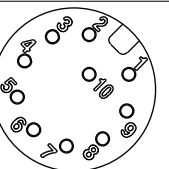
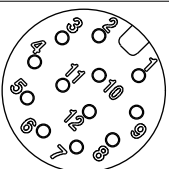
The diagram illustrates the naming convention for the cable model, structured as follows:

- SAP:** A-Code Plastic Nut
 - M:** Male Connector (公座)
 - 03:** 3Pin
 - 04:** 4Pin
 - 05:** 5Pin
 - 06:** 6Pin
 - 08:** 8Pin
 - 10:** 10Pin
 - 12:** 12Pin
 - R:** Right (90° 線端)
-
- F:** Female Connector (公座)
- R:** Right (90° 線端)
-
- S:** Screw (螺紋式)
- X:**
 - B:** PUR UL20549 Cable, Black (PUR 黑色外被線材)
 - D:** PVC UL2517 Cable, Black (PVC 黑色外被線材)
- XXX:**
 - 001:** 1 Meter
 - 002:** 2 Meters
 - :**
 - 099:** 99 Meters

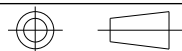
Additional labels in the diagram include:

- M SAP XX M R - SAP F R - S X XXX** (top header)
- SAP: A-Code Plastic Nut** (left side, connected to SAP)
- XXX: 0.5~99Meters** (right side, connected to XXX)
- A05: 0.5 Meter** (right side, connected to XXX)
- 001: 1 Meter** (right side, connected to XXX)
- 002: 2 Meters** (right side, connected to XXX)
- :** (right side, connected to XXX)
- 099: 99 Meters** (right side, connected to XXX)
- B: PUR UL20549 Cable, Black (PUR 黑色外被線材)** (right side, connected to X)
- D: PVC UL2517 Cable, Black (PVC 黑色外被線材)** (right side, connected to X)
- S: Screw (螺紋式)** (right side, connected to S)
- R: Right (90° 線端)** (right side, connected to R)
- F: Female Connector (公座)** (right side, connected to F)
- SAP: A-Code Plastic Nut** (right side, connected to SAP)

UNIT:mm				TITLE M12 A-Code Double Ended			Amphenol LTW		ITEM NO		DRAWN BY Vicky		DATE 2018-12-07			
TOLERANCE											SCALE 1:2		SIZE A4		SHEET 2 OF 3	
				REV. A		WC-REV.		QC: Inspection item			CUSTOMER ALTW		APPROVED BY Max		DATE 2018-12-07	

	1	2	3	4	5	6	7	8
F								
E								
D	Pin Out	5 -- 4 Black 黑 3 Blue 藍 2 -- 1 Brown 棕	5 -- 4 Black 黑 3 Blue 藍 2 White 白 1 Brown 棕	5 Gray 灰 4 Black 黑 3 Blue 藍 2 White 白 1 Brown 棕	8 -- 7 Blue 藍 6 Pink 粉 5 -- 4 Yellow 黃 3 Green 綠 2 Brown 棕 1 White 白	8 Red 紅 7 Blue 藍 6 Pink 粉 5 Gray 灰 4 Yellow 黃 3 Green 綠 2 Brown 棕 1 White 白	12 -- 11 -- 10 Violet 紫 9 Black 黑 8 Red 紅 7 Blue 藍 6 Pink 粉 5 Gray 灰 4 Yellow 黃 3 Green 綠 2 Brown 棕 1 White 白	12 Red/Blue 紅/藍 11 Gray/Pink 灰/粉 10 Violet 紫 9 Black 黑 8 Red 紅 7 Blue 藍 6 Pink 粉 5 Gray 灰 4 Yellow 黃 3 Green 綠 2 Brown 棕 1 White 白
		Pin # Wire	Pin # Wire	Pin # Wire	Pin # Wire	Pin # Wire	Pin # Wire	Pin # Wire
C	C2							
		3P	4P	5P	6P	8P	10P	12P
B	C1							
		3P	4P	5P	6P	8P	10P	12P
A	Pin Assignments Front View							

UNIT:mm



TOLERANCE

TITLE

M12 A-Code Double Ended

SCALE
1:2SIZE
A4SHEET
3 OF 3REV.
A

WC-REV.

QC: Inspection item

Amphenol LTW
安費諾亮泰企業股份有限公司

ITEM NO

DWG NO

MSAPXXMR-SAPFR-SXXXX

CUSTOMER

ALTW

DRAWN BY

Vicky

CHECKED BY

Rita

APPROVED BY

Max

DATE

2018-12-07

DATE

2018-12-07

DATE

2018-12-07

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[MSAP04MR-SAPFR-SBA05](#) [MSAP05MR-SAPFR-SBA05](#) [MSAP08MR-SAPFR-SBA05](#) [MSAP05MR-SAPFR-SDA05](#)
[MSAP04MR-SAPFR-SDA05](#) [MSAP08MR-SAPFR-SDA05](#)