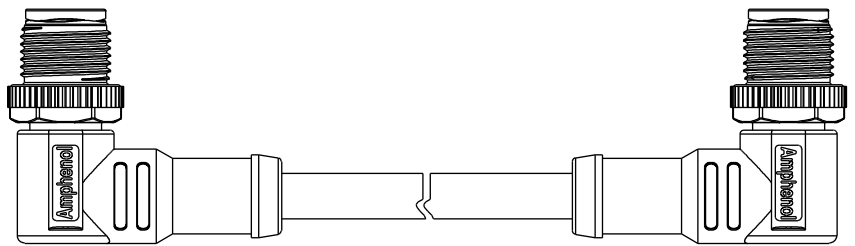
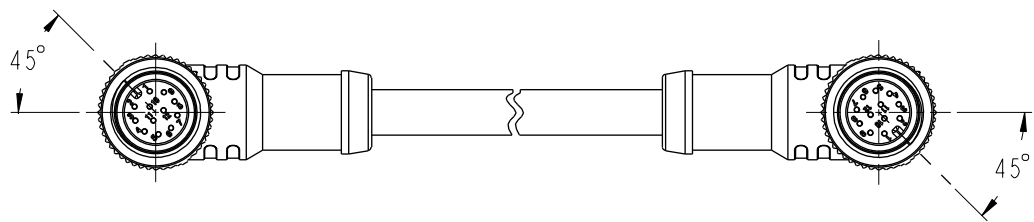
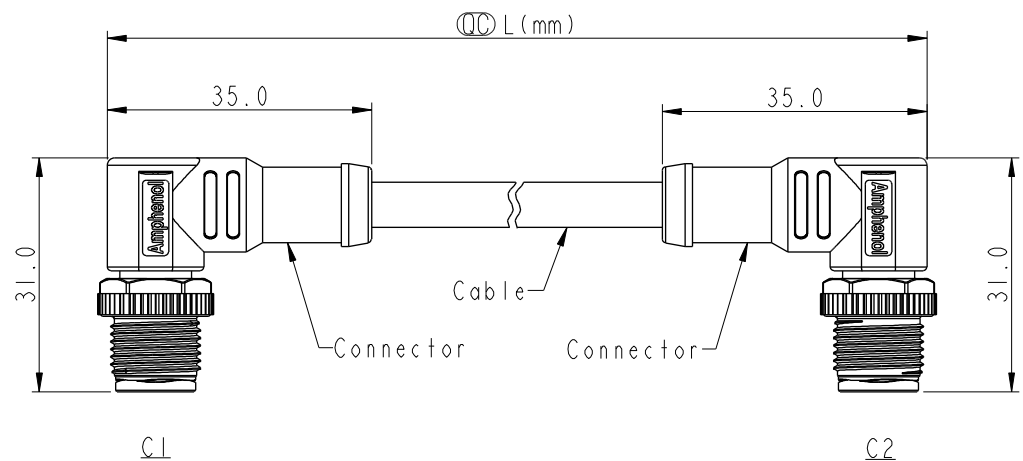




REV.	DESCRIPTION



- 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±20mm  
01±40mm  
02M~05M:±60mm  
06M~10M:±100mm  
11M~30M:±200mm  
31M~99M:±500mm

UNIT:mm    
TOLERANCE  
±0.5 mm

TITLE M12 A-Code Double Ended			
SCALE 1:2	SIZE A4	SHEET 1 OF 3	
REV. A	WC-REV.	$\varnothing$ : Inspection item	

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

ITEM NO	DRAWN BY Vicky	DATE 2018-12-07
DWG NO MSAPXXMR-SAPMR-SXXXX	CHECKED BY Rita	DATE 2018-12-07
CUSTOMER ALTW	APPROVED BY Max	DATE 2018-12-07

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Contacts	Cable Jacket	Cable OD	AWG	Item No.
12P	PVC	6.0	26	MSAP12MR-SAPMR-SDXXX
10P				MSAP10MR-SAPMR-SDXXX
8P		5.5	24	MSAP08MR-SAPMR-SDXXX
6P				MSAP06MR-SAPMR-SDXXX
5P		5.1	22	MSAP05MR-SAPMR-SDXXX
4P				MSAP04MR-SAPMR-SDXXX
3P	MSAP03MR-SAPMR-SDXXX			
12P	PUR	6.0	26	MSAP12MR-SAPMR-SBXXX
10P				MSAP10MR-SAPMR-SBXXX
8P		4.8	24	MSAP08MR-SAPMR-SBXXX
6P				MSAP06MR-SAPMR-SBXXX
5P		4.4	22	MSAP05MR-SAPMR-SBXXX
4P				MSAP04MR-SAPMR-SBXXX
3P	MSAP03MR-SAPMR-SBXXX			

M SAP XX M R - SAP M R - S X XXX

- SAP: A-Code Plastic Nut
- 03: 3Pin
- 04: 4Pin
- 05: 5Pin
- 06: 6Pin
- 08: 8Pin
- 10: 10Pin
- 12: 12Pin
- M: Male Connector(公座)
- R: Right(90°線端)
- XXX: 0.5~99Meters
- A05: 0.5 Meter
- 001: 1 Meter
- 002: 2 Meters
- :
- 099: 99 Meters
- B: PUR UL20549 Cable,Black(PUR黑色外被線材)
- D: PVC UL2517 Cable,Black(PVC黑色外被線材)
- S: Screw(螺紋式)
- R: Right(90°線端)
- M: Male Connector(公座)
- SAP: A-Code Plastic Nut

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

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Pin Out	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire
5	--		5	--	5	Gray	5	Gray	12	--	12	Red/Blue	12	Red/Blue
4	Black	黑	4	Black	4	Black	4	Black	11	--	11	Gray/Pink	11	Gray/Pink
3	Blue	藍	3	Blue	3	Blue	3	Blue	10	Violet	10	Violet	10	Violet
2	--		2	White	2	White	2	White	9	Black	9	Black	9	Black
1	Brown	棕	1	Brown	1	Brown	1	Brown	8	Red	8	Red	8	Red
									8	Red	8	Red	7	Blue
									7	Blue	7	Blue	6	Pink
									6	Pink	6	Pink	5	Gray
									5	Gray	5	Gray	4	Yellow
									4	Yellow	4	Yellow	3	Green
									3	Green	3	Green	2	Brown
									2	Brown	2	Brown	1	White
									1	White	1	White		

Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire
5	--	5	--	5	Gray	5	Gray	12	--	12	Red/Blue	12	Red/Blue
4	Black	4	Black	4	Black	4	Black	11	--	11	Gray/Pink	11	Gray/Pink
3	Blue	3	Blue	3	Blue	3	Blue	10	Violet	10	Violet	10	Violet
2	--	2	White	2	White	2	White	9	Black	9	Black	9	Black
1	Brown	1	Brown	1	Brown	1	Brown	8	Red	8	Red	8	Red
								8	Red	7	Blue	7	Blue
								7	Blue	6	Pink	6	Pink
								6	Pink	5	Gray	5	Gray
								5	Gray	4	Yellow	4	Yellow
								4	Yellow	3	Green	3	Green
								3	Green	2	Brown	2	Brown
								2	Brown	1	White	1	White
								1	White				

Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire
5	--	5	--	5	Gray	5	Gray	12	--	12	Red/Blue	12	Red/Blue
4	Black	4	Black	4	Black	4	Black	11	--	11	Gray/Pink	11	Gray/Pink
3	Blue	3	Blue	3	Blue	3	Blue	10	Violet	10	Violet	10	Violet
2	--	2	White	2	White	2	White	9	Black	9	Black	9	Black
1	Brown	1	Brown	1	Brown	1	Brown	8	Red	8	Red	8	Red
								8	Red	7	Blue	7	Blue
								7	Blue	6	Pink	6	Pink
								6	Pink	5	Gray	5	Gray
								5	Gray	4	Yellow	4	Yellow
								4	Yellow	3	Green	3	Green
								3	Green	2	Brown	2	Brown
								2	Brown	1	White	1	White
								1	White				

Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire
5	--	5	--	5	Gray	5	Gray	12	--	12	Red/Blue	12	Red/Blue
4	Black	4	Black	4	Black	4	Black	11	--	11	Gray/Pink	11	Gray/Pink
3	Blue	3	Blue	3	Blue	3	Blue	10	Violet	10	Violet	10	Violet
2	--	2	White	2	White	2	White	9	Black	9	Black	9	Black
1	Brown	1	Brown	1	Brown	1	Brown	8	Red	8	Red	8	Red
								8	Red	7	Blue	7	Blue
								7	Blue	6	Pink	6	Pink
								6	Pink	5	Gray	5	Gray
								5	Gray	4	Yellow	4	Yellow
								4	Yellow	3	Green	3	Green
								3	Green	2	Brown	2	Brown
								2	Brown	1	White	1	White
								1	White				

Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire
5	--	5	--	5	Gray	5	Gray	12	--	12	Red/Blue	12	Red/Blue
4	Black	4	Black	4	Black	4	Black	11	--	11	Gray/Pink	11	Gray/Pink
3	Blue	3	Blue	3	Blue	3	Blue	10	Violet	10	Violet	10	Violet
2	--	2	White	2	White	2	White	9	Black	9	Black	9	Black
1	Brown	1	Brown	1	Brown	1	Brown	8	Red	8	Red	8	Red
								8	Red	7	Blue	7	Blue
								7	Blue	6	Pink	6	Pink
								6	Pink	5	Gray	5	Gray
								5	Gray	4	Yellow	4	Yellow
								4	Yellow	3	Green	3	Green
								3	Green	2	Brown	2	Brown
								2	Brown	1	White	1	White
								1	White				

Pin Assignments Front View

UNIT:mm TOLERANCE 	TITLE M12 A-Code Double Ended			<b>Amphenol LTW</b> 安費諾亮泰企業股份有限公司	ITEM NO	DRAWN BY	DATE
	SCALE 1:2	SIZE A4	SHEET 3 OF 3		DWG NO MSAPXXMR-SAPMR-SXXXX	CHECKED BY Rita	DATE 2018-12-07
	REV. A	WC-REV.	QC: Inspection item		CUSTOMER ALTW	APPROVED BY Max	DATE 2018-12-07

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