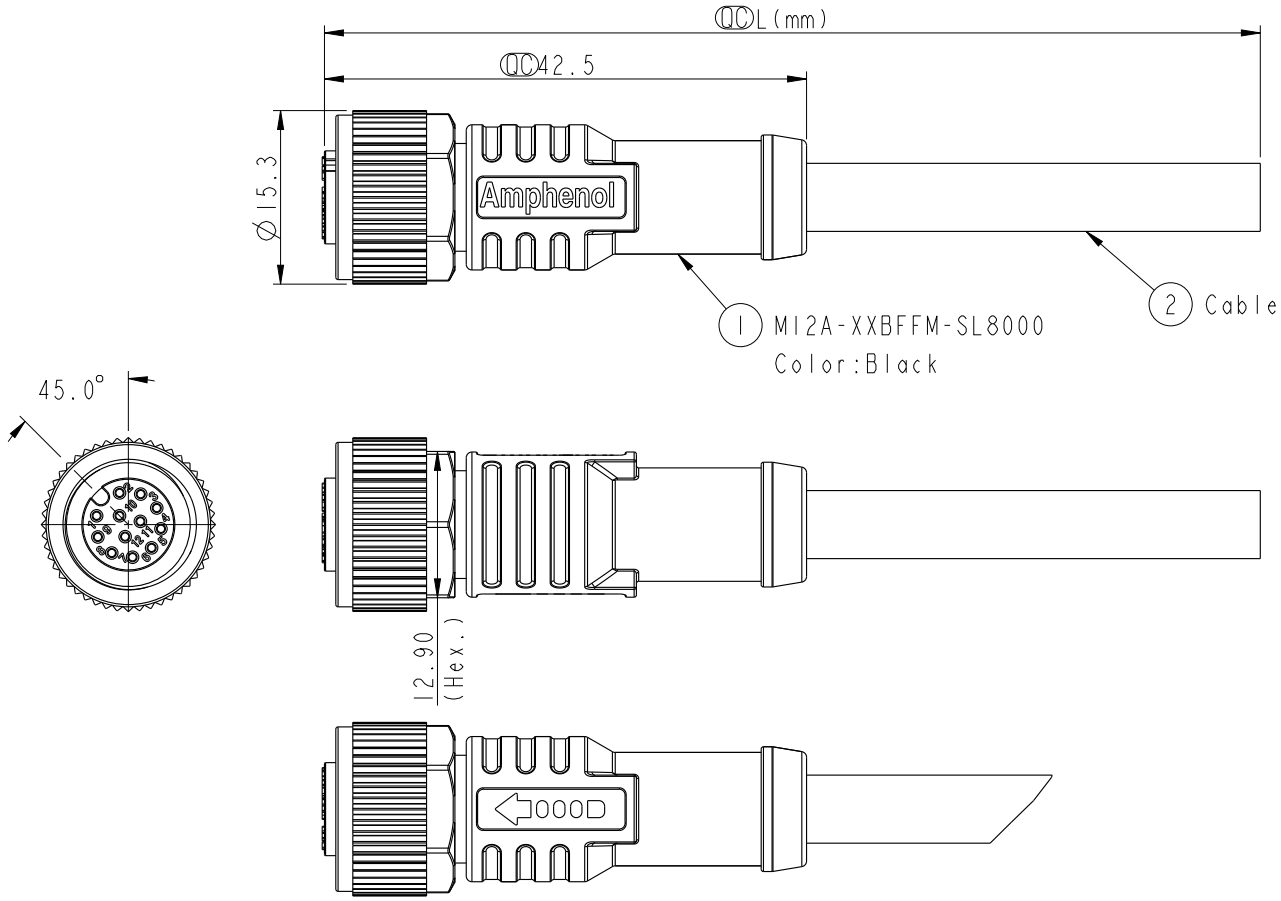
REV.	ECN NO.	DATE	SIGN	DESCRIPTION
C	LEN1680943~960 LEN1681003~011	2016/08/09	Yulong_wang	Add 6Pin & IP69K.
D	LEN1750089~96	2017/04/06	Lingpeng	Change The Cable OD
E	BOMR19100201	2019-10-29	Peng	Add 17Pin



Notes: E C

* QC Important Dimension.
* Waterproof Rate: IP68, IP69K.
* Connector:
  3~6P,8P,10P,12P:PU+GF,Black.
  17P:Nylon+GF,Black.
* Female Pin: Copper Alloy, Gold Plated.
* Screw Nut: Zinc Alloy, Nickel Plated.
* Outer Mold: PU,Black.
* Cable: (A) UL2517,PVC Jacket,Yellow.
  (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,17Pin 30V dc. or ac.
* Rated Current: 3~5Pin 4A
  6~8Pin 2A
  10~12Pin,17Pin 1.5A
* Operating Temperature: -25~85°C
* Cable Length Tolerance: 01M:±40mm
  02M~05M:±60mm
  06M~10M:±100mm
  11M~30M:±200mm
  31M~99M:±500mm

UNIT:mm	TITLE: M12 A Type Cable Female Conn.		ITEM NO	DRAWN BY: Lingpeng	DATE: 2017-04-06
TOLERANCE: ±0.5mm	SCALE: 3:2	SIZE: A4	SHEET 1 OF 3	DWG NO: M12A-XXBFFM-SL8XXX	CHECKED BY: Ma Fei	DATE: 2017-04-06
	REV.: E	WC-REV.: A.3	QC: Inspection item	CUSTOMER: ALTW	APPROVED BY: Jerry	DATE: 2017-04-06

Amphenol LTW
安費諾亮泰企業股份有限公司

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Contacts	Cable Jacket	Cable OD	AWG	Item No.
17P	PVC	7.0	26	MI2A-17BFFM-SL8DXX
12P	PVC	6.0	26	MI2A-12BFFM-SL8DXX
10P	PVC	6.0	26	MI2A-10BFFM-SL8DXX
8P	PVC	5.5	24	MI2A-08BFFM-SL8DXX
6P	PVC	5.0	24	MI2A-06BFFM-SL8DXX
5P	PVC	5.1	22	MI2A-05BFFM-SL8DXX
4P	PVC	4.8	22	MI2A-04BFFM-SL8DXX
3P	PVC	4.5	22	MI2A-03BFFM-SL8DXX
17P	PUR	7.0	26	MI2A-17BFFM-SL8BXX
12P	PUR	6.0	26	MI2A-12BFFM-SL8BXX
10P	PUR	6.0	26	MI2A-10BFFM-SL8BXX
8P	PUR	4.8	24	MI2A-08BFFM-SL8BXX
6P	PUR	5.0	24	MI2A-06BFFM-SL8BXX
5P	PUR	4.4	22	MI2A-05BFFM-SL8BXX
4P	PUR	4.0	22	MI2A-04BFFM-SL8BXX
3P	PUR	3.8	22	MI2A-03BFFM-SL8BXX
17P	PVC	7.0	26	MI2A-17BFFM-SL8AXX
12P	PVC	6.0	26	MI2A-12BFFM-SL8AXX
10P	PVC	6.0	26	MI2A-10BFFM-SL8AXX
8P	PVC	5.5	24	MI2A-08BFFM-SL8AXX
6P	PVC	5.0	24	MI2A-06BFFM-SL8AXX
5P	PVC	5.1	22	MI2A-05BFFM-SL8AXX
4P	PVC	4.8	22	MI2A-04BFFM-SL8AXX
3P	PVC	4.5	22	MI2A-03BFFM-SL8AXX

M I2A - XX B F F M - S L 8 X XX

- I2A: A-Code
- 03: 3Pin
- 04: 4Pin
- 05: 5Pin
- 06: 6Pin
- 08: 8Pin
- 10: 10Pin
- 12: 12Pin
- 17: 17Pin
- B: Cable Without S/R(線端無網尾)
- F: Female Connector(母座)
- F: Female Pin(母Pin)
- XX: 01~99Meters
  - 01: 01Meter
  - 02: 02Meters
  - :
  - 99: 99Meters
- A: PVC UL2517 Cable, Yellow(PVC黃色外被線材)
- B: PUR UL20549 Cable, Black(PUR黑色外被線材)
- D: PVC UL2517 Cable, Black(PVC黑色外被線材)
- 8: IP68/69K(防水等級68/69K)
- L: Straight(180°線端)
- S: Screw(螺紋式)
- M: Molding Type(射出成型)

UNIT: mm

TOLERANCE: ±0.5mm

TITLE: MI2 A Type Cable Female Conn.

SCALE: 3:2 | SIZE: A4 | SHEET 2 OF 3

REV. E | WC-REV. A.3 | QC: Inspection item

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ITEM NO	DRAWN BY: Lingpeng	DATE: 2017-04-06
DWG NO: MI2A-XXBFFM-SL8XXX	CHECKED BY: Ma Fei	DATE: 2017-04-06
CUSTOMER: ALTW	APPROVED BY: Jerry	DATE: 2017-04-06

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E

Pin #	Wire	
5	--	
4	Black	黑
3	Blue	藍
2	--	
1	Brown	棕

Pin #	Wire	
5	--	
4	Black	黑
3	Blue	藍
2	White	白
1	Brown	棕

Pin #	Wire	
5	Gray	灰
4	Black	黑
3	Blue	藍
2	White	白
1	Brown	棕

Pin #	Wire	
8	--	
7	Blue	藍
6	Pink	粉
5	--	
4	Yellow	黃
3	Green	綠
2	Brown	棕
1	White	白

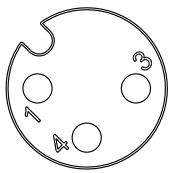
Pin #	Wire	
8	Red	紅
7	Blue	藍
6	Pink	粉
5	Gray	灰
4	Yellow	黃
3	Green	綠
2	Brown	棕
1	White	白

Pin #	Wire	
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

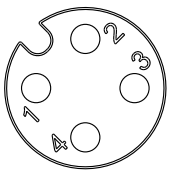
Pin #	Wire	
12	Red/Blue	紅/藍
11	Gray/Pink	灰/粉
10	Violet	紫
9	Black	黑
8	Red	紅
7	Blue	藍
6	Pink	粉
5	Gray	灰
4	Yellow	黃
3	Green	綠
2	Brown	棕
1	White	白

Pin #	Wire	
17	White/Gray	白/灰
16	Yellow/Brown	黃/棕
15	White/Yellow	白/黃
14	Brown/Green	棕/綠
13	White/Green	白/綠
12	Red/Blue	紅/藍
11	Gray/Pink	灰/粉
10	Violet	紫
9	Red	紅
8	Gray	灰
7	Black	黑
6	Yellow	黃
5	Pink	粉
4	Green	綠
3	White	白
2	Blue	藍
1	Brown	棕

Pin Out



3P



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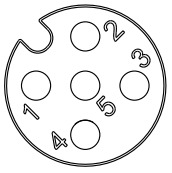
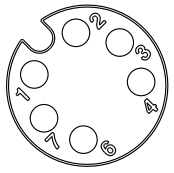
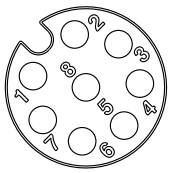


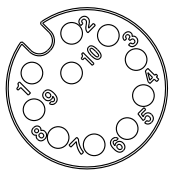
5P



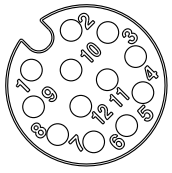
6P



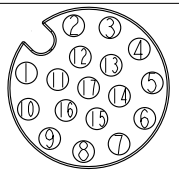
8P



10P



12P



17P

Pin Assignments: Front View

UNIT: mm

TOLERANCE

±0.5mm

TITLE: M12 A Type Cable Female Conn.			
SCALE: 3:2	SIZE: A4	SHEET 3 OF 3	
REV.: E	WC-REV.: A.2	QC: Inspection item	

Amphenol LTW

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