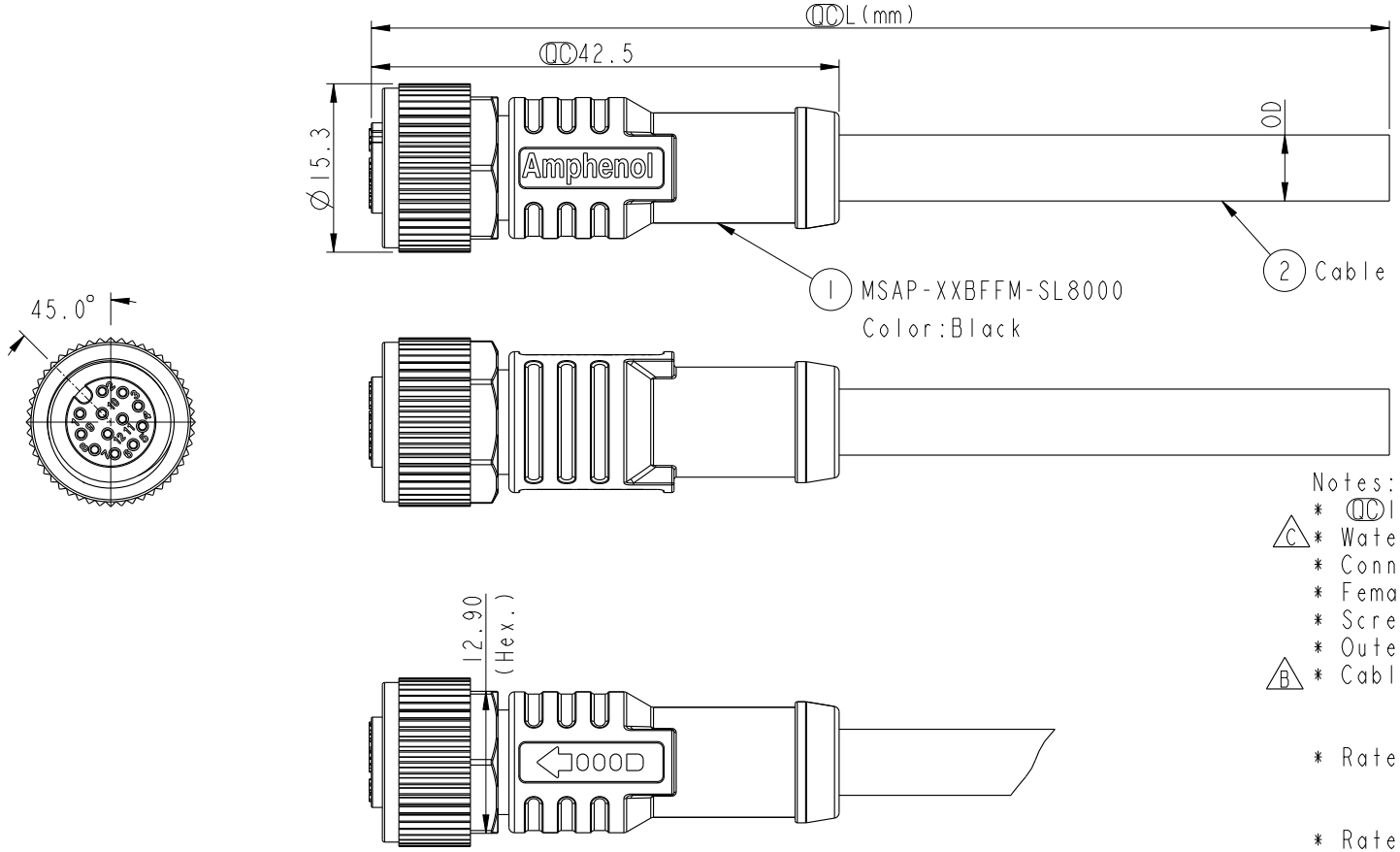
REV.	ECN NO.	DATE	SIGN	DESCRIPTION
A	Initial Release	2015/07/15	Cary	Change Rev.01 To Rev.A
B	LEN1580199~210	2015/08/10	Feng_Li	Add Black PVC Cable
C	LEN1680961~978 LEN1681016~017	2016/08/10	Yulong_wang	Add 6Pin & IP69K.



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Notes:
* QC Important Dimension.
C * Waterproof Rate: IP68, IP69K.
* Connector: PU+GF, Black.
* Female Pin: Copper Alloy, Gold Plated.
* Screw Nut: Nylon, Black.
* Outer Mold: PU, Black.
B * 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 30V dc. or ac.
* Rated Current: 3~5Pin 4A
6~8Pin 2A
10~12Pin 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.	Amphenol LTW 安費諾亮泰企業股份有限公司	ITEM NO	DRAWN BY: Yulong_wang	DATE: 2016-08-10
TOLERANCE ±0.5mm	SCALE 1:1 / SIZE A4 / SHEET 1 OF 3		DWG NO: MSAP-XXBFFM-SL8XXX	CHECKED BY: Jinhai	DATE: 2016-08-10
	REV. C / WC-REV. A.3 / QC: Inspection item		CUSTOMER: ALTW	APPROVED BY: Jerry	DATE: 2016-08-10

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Contacts	Cable Jacket	Cable OD	AWG	
12P	PVC	6.0	26	MSAP-12BFFM-SL8DXX
10P				MSAP-10BFFM-SL8DXX
8P		5.5	24	MSAP-08BFFM-SL8DXX
6P		5.0		MSAP-06BFFM-SL8DXX
5P		5.1	22	MSAP-05BFFM-SL8DXX
4P		4.8		MSAP-04BFFM-SL8DXX
3P		4.5		MSAP-03BFFM-SL8DXX
12P	PUR	6.0	26	MSAP-12BFFM-SL8BXX
10P				MSAP-10BFFM-SL8BXX
8P		5.5	24	MSAP-08BFFM-SL8BXX
6P		5.0		MSAP-06BFFM-SL8BXX
5P		5.1	22	MSAP-05BFFM-SL8BXX
4P		4.8		MSAP-04BFFM-SL8BXX
3P		4.5		MSAP-03BFFM-SL8BXX
12P	PVC	6.0	26	MSAP-12BFFM-SL8AXX
10P				MSAP-10BFFM-SL8AXX
8P		5.5	24	MSAP-08BFFM-SL8AXX
6P		5.0		MSAP-08BFFM-SL8AXX
5P		5.1	22	MSAP-05BFFM-SL8AXX
4P		4.8		MSAP-04BFFM-SL8AXX
3P		4.5		MSAP-03BFFM-SL8AXX

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

SAP:A-Code Plastic Nut

03: 3Pin
04: 4Pin
05: 5Pin
06: 6Pin
08: 8Pin
10: 10Pin
12: 12Pin

B: Cable Without S/R(線端無網尾)

F: Female Connector(母座)

F: Female Pin(母Pin)

M: Molding Type(射出成型)

S: Screw(螺紋式)

L: Straight(180°線端)

8: IP68/69K(防水等級68/69K)

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)

XX:01~99Meters
01:01Meter
02:02Meters
:
99:99Meters

UNIT:mm	TITLE: M12 A Type Cable Female Conn.	Amphenol LTW 安費諾亮泰企業股份有限公司	ITEM NO	DRAWN BY: Yulong_wang	DATE: 2016-08-10
TOLERANCE ±0.5mm	SCALE: 1:1 / SIZE: A4 / SHEET 2 OF 3		DWG NO: MSAP-XXBFFM-SL8XXX	CHECKED BY: Jinhai	DATE: 2016-08-10
	REV.: C / WC-REV.: A.3	QC:Inspection item	CUSTOMER: ALTW	APPROVED BY: Jerry	DATE: 2016-08-10

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C

Pin #	Wire	
5	--	
4	Black	黑
3	Blue	藍
3	--	
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

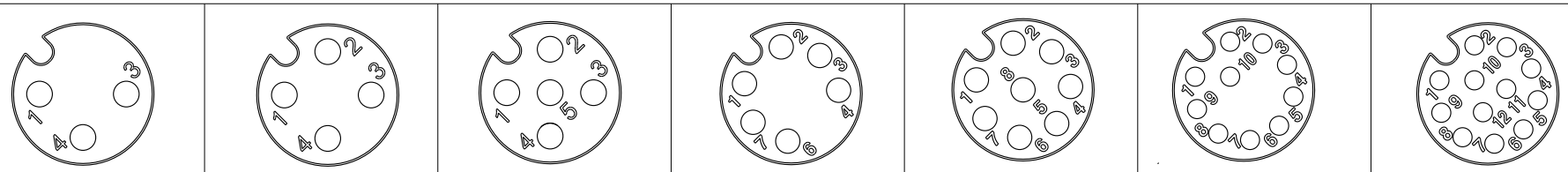
Pin #	Wire	
8	--	
7	Blue	藍
6	Pink	粉
5	--	
4	Yellow	黃
3	Green	綠
2	Brown	棕
1	White	白

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 Out



3P 4P 5P 6P 8P 10P 12P

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. C | WC-REV. A.1 | QC: Inspection item

Amphenol LTW

安費諾亮泰企業股份有限公司

ITEM NO	DRAWN BY: Yulong_wang	DATE: 2016-08-10
DWG NO: MSAP-XXBFFM-SL8XXX	CHECKED BY: Jinhai	DATE: 2016-08-10
CUSTOMER: ALTW	APPROVED BY: Jerry	DATE: 2016-08-10

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