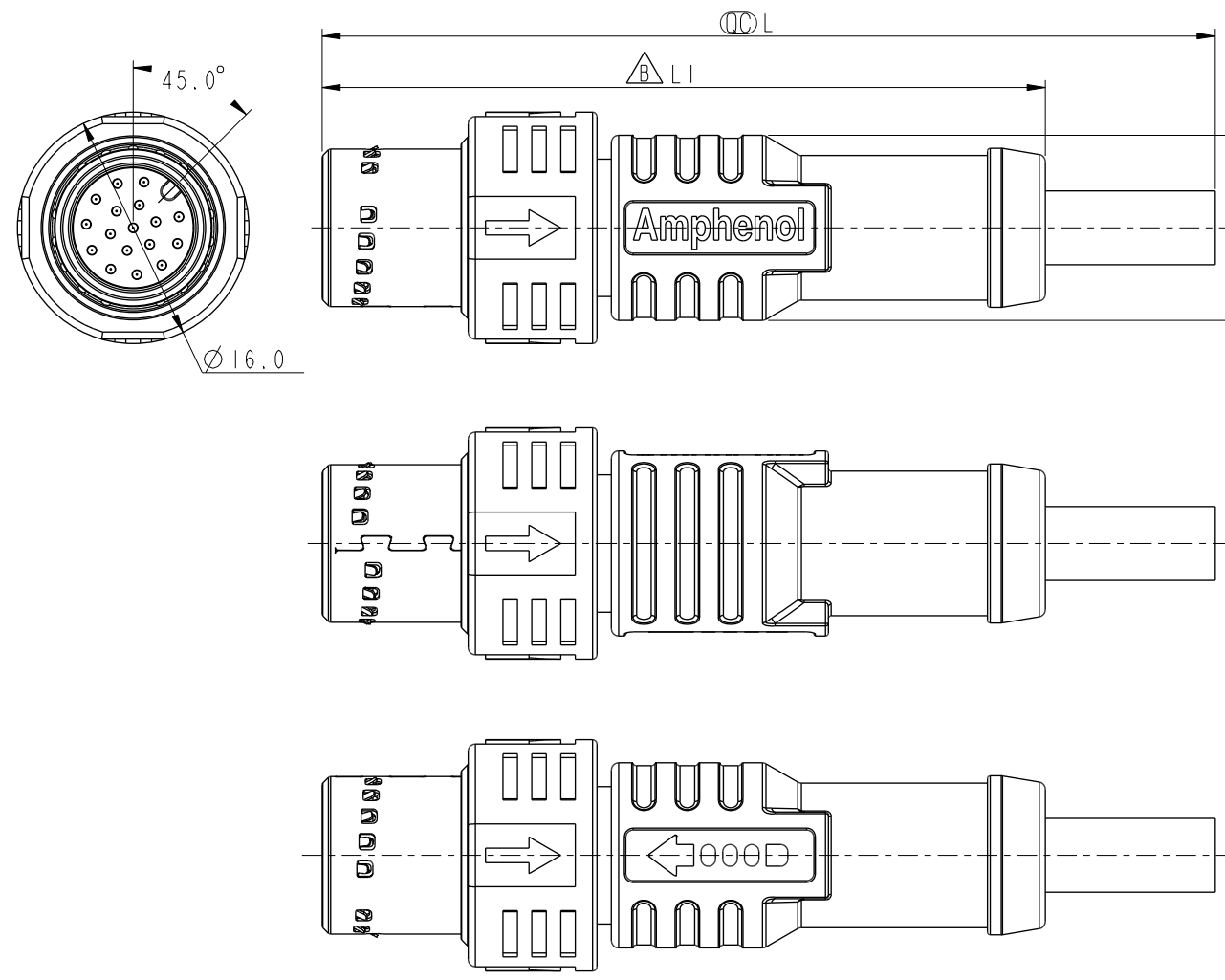


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REV.	ECN NO.	DATE	SIGN	DESCRIPTION
A		2020-09-10	Sam Ho	New Release
B	C210190	2021-01-13	Vincent Huang	$\triangle B$ X5



Notes:

Material Specification:

- \* Housing: Thermoplastic, UL94V-0, Black.
- \* Male Pin: Copper Alloy, Gold Plated.
- \* Shell & Latch & Spring: Metal.
- \* Outer Mold: Thermoplastic, Black.
- \* Cable: PVC UL2517 Cable, Black.

Electrical Specification:

- \* Contact Resistance: 10m $\Omega$  (Max.)
- \* Insulation Resistance: 100M $\Omega$  (Min.)
- \* Voltage Proof: 2~4 Pin 1.5KV  
5 Pin 1.0KV  
6~8 Pin 0.65KV  
9~17 Pin 0.65KV
- \* Rated Voltage: 2~4 Pin 250V D.C. or A.C.  
5 Pin 60V D.C. or A.C.  
6~17 Pin 30V D.C. or A.C.
- \* Rated Current: 2~5 Pin 4.0A  
6~8 Pin 2.0A  
9~17 Pin 1.5A

Mechanical Specification:

- \* Durability: 500 Cycles.

Environmental Specification:

- \* Waterproof Rate: IP68(Mated, 1m/24hr).
- \* Temperature Range: -20~+105°C

Cable Length Tolerance :

- 1M: +50/-0mm
- 2M~3M: +100/-0mm
- 4M~5M: +150/-0mm
- 6M~10M:  $\pm$ 100mm
- 11M~20M:  $\pm$ 200mm
- 21M~30M:  $\pm$ 300mm
- 31M~99M:  $\pm$ 500mm

UNIT: mm			TITLE M12 A Code Push Pull Type Cable
TOLERANCE $\pm 0.50$ mm	SCALE 2:1	SIZE A4	SHEET 1 OF 3
REV. B	WC-REV.	$\text{CC}$ : Inspection item	

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

ITEM NO.	DRAWN BY Sam Ho	DATE 2020-09-10
DWG NO. M12A-XXBMMM-PL8DXX	CHECKED BY Fred Lee	DATE 2020-09-10
CUSTOMER ALTW	APPROVED BY Fred Lee	DATE 2020-09-10

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F			PVC	17P	7.0	26	M12A-17BMMM-PL8DXX	54.0	14.8		
				12P	6.0		M12A-12BMMM-PL8DXX				
				10P			M12A-10BMMM-PL8DXX				
				8P	5.5	24	M12A-08BMMM-PL8DXX	50.0	12.8		
				6P	5.0		M12A-06BMMM-PL8DXX				
				5P	5.1	22	M12A-05BMMM-PL8DXX				
				4P	4.8		M12A-04BMMM-PL8DXX				
				3P	4.1		M12A-03BMMM-PL8DXX				
				Contacts	Cable Jacket	Cable OD	AWG	Item No.		$\triangle B$ LI	$\triangle B$ DI

M12A- XX BMMM-PL8D XX

XX: No. Of Pin

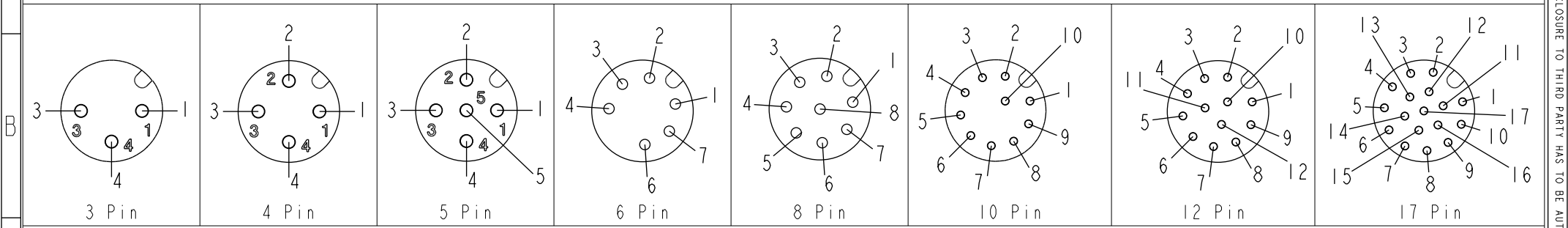
XX: L=0-99Meters  
 01: L=1Meters  
 02: L=2Meters  
 :  
 99: L=99Meters

A	UNIT: mm		TITLE M12 A Code Push Pull Type Cable			ITEM NO.		DRAWN BY Sam Ho	DATE 2020-09-10
	TOLERANCE $\pm 0.50\text{mm}$		SCALE 2:1	SIZE A4	SHEET 2 OF 3	DWG NO. M12A-XXBMMM-PL8DXX		CHECKED BY Fred Lee	DATE 2020-09-10
			REV. B	WC-REV.	: Inspection item	CUSTOMER ALTW		APPROVED BY Fred Lee	DATE 2020-09-10
									8 W10814-03-001A2

**Amphenol LTW**  
 安費諾亮泰企業股份有限公司

1		2		3		4		5		6		7		8	
5	- -	5	- -	5	Gray	8	- -	8	Red	12	- -	12	Red/Blue	17	White/Gray
4	Black	4	Black	4	Black	7	Blue	7	Blue	11	- -	11	Gray/Pink	16	Yellow/Brown
3	Blue	3	Blue	3	Blue	6	Pink	6	Pink	10	Violet	10	Violet	15	White/Yellow
2	- -	2	White	2	White	5	- -	5	Gray	9	Black	9	Black	14	Brown/Green
1	Brown	1	Brown	1	Brown	4	Yellow	4	Yellow	8	Red	8	Red	13	White/Green
						3	Green	3	Green	7	Blue	7	Blue	12	Red/Blue
						2	Brown	2	Brown	6	Pink	6	Pink	11	Gray/Pink
						1	White	1	White	5	Gray	5	Gray	10	Violet
										4	Yellow	4	Yellow	9	Red
										3	Green	3	Green	8	Gray
										2	Brown	2	Brown	7	Black
										1	White	1	White	6	Yellow
														5	Pink
														4	Green
														3	White
														2	Blue
														1	Brown
Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire	Pin #	Wire

Pin Out



Pin Assignments Front View

UNIT:mm TOLERANCE ±0.50mm		TITLE M12 A Code Push Pull Type Cable		<b>Amphenol LTW</b> 安費諾亮泰企業股份有限公司	ITEM NO	DRAWN BY Sam Ho	DATE 2020-09-10	
		SCALE 2:1	SIZE A4		SHEET 3 OF 3	DWG NO M12A-XXBMMM-PL8XXX	CHECKED BY Fred Lee	DATE 2020-09-10
		REV. B	WC-REV.		Inspection item	CUSTOMER ALTW	APPROVED BY Fred Lee	DATE 2020-09-10