

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

- Note:
1. Waterproof rate: IP67
 2. This product must meet IEC61076-2-109
 3. This product must meet 2011/65/EU ROHS compliance.
 4. Operation temperature: -20°C~85°C
 5. Mechanical operation: > 100 mating cycles
 6. Ethernet CAT6A, 10 Gbps
 7. Flame retardant grade: VW-1
 8. Drag chain cable
 - 8.1. Drag chain radius: 50mm
 - 8.2. Test life (drag chain test): ≥ 10 million times

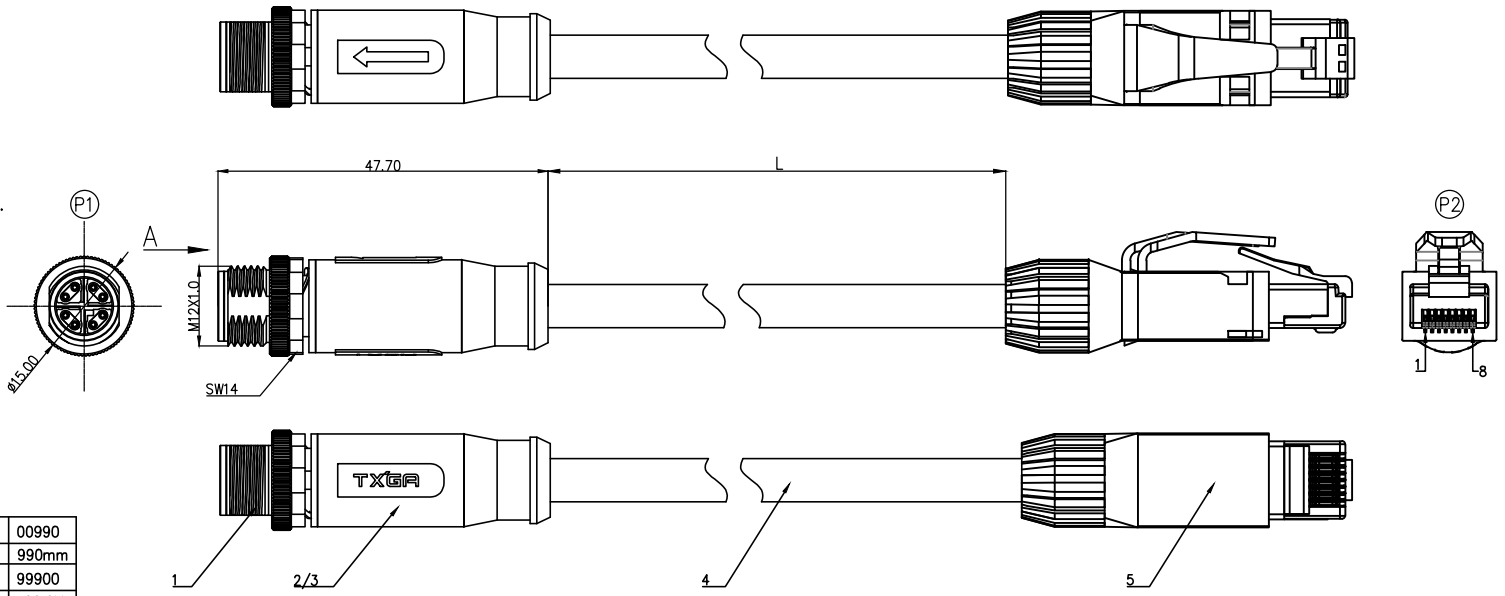
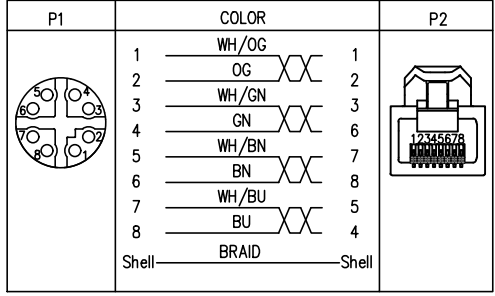


TABLE 1

L (xxxxx)	00050	00100	00150	00200	...	00990
	50mm	100mm	150mm	200mm	...	990mm
	01000	01500	02000	10000	...	99900
	1M	1.5M	2M	10M	...	99.9M
Dimensions L (mm)						
Range(length)	50 to 200	201 to 500	1001 to 5000	5000 to 9000		
Tolerance(mm)	±10	±15	±25	±30		
PACKING SPECIFICATION						
Range(length)	50 to 200	201 to 1000	1001 to 9000			
	5pcs/Bag	2pcs/Bag	1pcs/Bag			

WIRING CHART

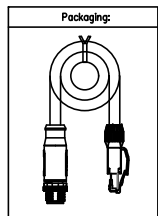


Ordering Information

FM12D 15 08 09 - X 08 E XXXXX 00
 1 2 3 4 5 6 7 8

1 Cable type FM12D-M12 Drag chain cable
 2 Cable category 15-Male Straight to other
 3 Mounting thread 08-M12X1.0
 4 Distinction num 09

5 Coded X-X CODED
 6 Circuits 08-8Circuits
 7 Angle-Key E-0°
 8 Cable length XXXXX-(see table1)



Connector product information						Cable product Information	
Circuits	Rated Voltage	Rated impulse Voltage	Rated Current	Insulation resistance	Signal type classification	O.D	Wire Size(mm ²) AWG
8Circuits	60V	800V	0.5A	≥100MΩ	CAT6 _A	6.8mm	0.14mm ² /4P×26AWG
5	8P8C Modular Plug						
4	CAT6 _A , UL2835 4P×26AWG, AB JACKET: BK, Drag chain cable						
3	Overmold: PVC black 30P						
2	Innermold: PVC black 30P						
1	M12-X encoded 8circuits shielded male plug						

ELECTRICAL		
1. Withstanding Voltage: DC 300V		
2. Conduction Impedance: 3Ω (Max)		
3. Insulation Resistance: 10MΩ (Min)		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 27/Apr/24	PART NO. FM12D150809-X08EXXX00	ITEM NO. FM12D150809	
	DESIGN UNITS METRIC	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 27/Apr/24	TITLE M12 cable connector, male straight end to RJ45, shielded, X code, 8Circuits, CAT6 _A	
SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX' ±1°	DRAWN BY King	DATE 27/Apr/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
						 Building Technology Cornerstone	REV 0 SHEET NO. 1/1