

M8 Basic line Cable type

XS3F-M8

Small Round Water-resistive Connectors

- Water-resistive, compact connector meets IP67 requirements.
- Ideal for a wide variety of FA and OA applications.
- Connectors on both cable ends require no harness work.



Ratings and Specifications

Rated current	1A
Rated voltage	125 VDC
Contact resistance (Connector)	40 mΩ max. (20 mV max., 100 mA max.)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength (Connector)	AC 1,000 V 1 min. (leakage current: 1 mA max.).
Degree of protection	IP67 (IEC60529)
Temperature range	-10 to +80°C

Materials and Finish

Contacts	Copper alloy/ nickel base, gold plating
Pin block	PBT resin (UL94 V-0)
Fixtures	Copper alloy/ nickel plating
Cover	PBT resin (UL94V-0)

PVC Cable

Item	3, 4 cores
Color	Black
Outer diameter	5 mm dia.
Conductor size	AWG23 0.25 mm ² (32/0.1)
Approvals	AWM2464
Features	Flame retardant

PUR Cable

Item	3 cores	4 cores
Color	Black	
Outer diameter	4.3 mm dia.	4.7 mm dia.
Conductor size	AWG22 0.32 mm ² (42/0.1)	
Approvals	AWM20936	
Features	Flame retardant Halogen free Oil resistance	

Connector Pinout Diagram (from Mating Side)

Item	Poles	3 poles	4 poles
DC	Male (plug) contacts		
	Female (socket) contacts		

XS3F-M8PUR□□□□M PUR cable

(Unit: mm)

Straight

Technical drawing of a straight cable with dimensions and labels:

- Dimensions:**
 - Overall length: L
 - Distance from connector to start of cable: 31.9
 - Connector diameter: 9 dia.
 - Distance from connector to end of cable: 30
 - Distance from connector to end of cable (PVC cable): 50*
 - Distance from connector to end of cable (PUR cable): 40mm
- Labels:**
 - Model: XS3F-M8PVC4S2M
 - Lot No.
- Connector Details:**
 - (3 cores) M8 x 1
 - (4 cores) M8 x 1

*PVC cable is 50mm.
*PUR cable is 40mm.

Right-angle

23.1

21

9 dia.

(3 cores)

1

4

3

M8 x 1

(4 cores)

2

1

4

3

M8 x 1

XS3F-M8PVC4A2M

Lot No.

L

30

5

50*

*PVC cable is 50mm.
*PUR cable is 40mm.

3 Cores		4 Cores	
Contact No. ① ② ③	Cable lead colors Brown Blue Black	Contact No. ① ② ③ ④	Cable lead colors Brown White Blue Black

Cable type	No. of cable cores	Cable outer diameter	Cable connection direction	Cable length (m)	Model
PVC	3	5.0 dia.	Straight	2	XS3F-M8PVC3S2M
				5	XS3F-M8PVC3S5M
				10	XS3F-M8PVC3S10M
			Right-angle	2	XS3F-M8PVC3A2M
				5	XS3F-M8PVC3A5M
				10	XS3F-M8PVC3A10M
	4		Straight	2	XS3F-M8PVC4S2M
				5	XS3F-M8PVC4S5M
				10	XS3F-M8PVC4S10M
			Right-angle	2	XS3F-M8PVC4A2M
				5	XS3F-M8PVC4A5M
				10	XS3F-M8PVC4A10M
PUR	3	Straight	2	XS3F-M8PUR3S2M	
			5	XS3F-M8PUR3S5M	
			10	XS3F-M8PUR3S10M	
		Right-angle	2	XS3F-M8PUR3A2M	
			5	XS3F-M8PUR3A5M	
			10	XS3F-M8PUR3A10M	
	4	4.7 dia	Straight	2	XS3F-M8PUR4S2M
				5	XS3F-M8PUR4S5M
				10	XS3F-M8PUR4S10M
			Right-angle	2	XS3F-M8PUR4A2M
				5	XS3F-M8PUR4A5M
				10	XS3F-M8PUR4A10M