

Round Water-resistant Connectors (M8) Single-ended Cables **XS3F-M8**

Compact, Watertight, Round Connectors

- Water-resistive, compact connector meets IP67 requirements.
- Using connectors for wiring ensures ease of equipment maintenance and reduces downtime required for equipment maintenance.



■ Ratings and Specifications

Rated current	3A
Rated voltage	125 VDC
Contact resistance	60 mΩ max. (20 mV max., 100 mA max.)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength	1,000 VAC for 1 min (leakage current: 1 mA max.)
Degree of protection	IP67 (IEC60529)
Insertion tolerance	200 times min.

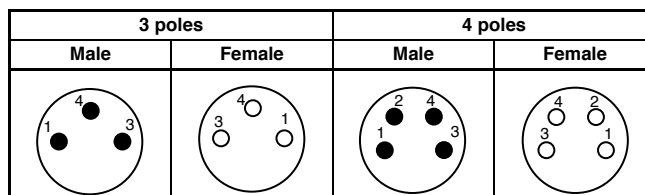
■ Material

Contact / Surface	Copper Alloy / Nickel base, Au0.4 μm
Connector housing	PBT resin (UL94V-0)
Nut / Surface	Copper Alloy / Nickel plated
Cover	PBT resin (UL94V-0)

■ PVC Cable

Item	3 cores	4 cores
Color	Black	
Outer diameter	5 mm dia.	4.8 mm dia.
Conductor size	AWG22 0.34 mm ² (43 × 0.1)	0.25 mm ² (32 × 0.1)
Approvals	AWM	
Features	Flame retardant	
Temperature range	-25 to +70°C	

■ Socket Appearance



■ PUR Cable

Item	3 cores	4 cores
Color	Black	
Outer diameter	4.3 mm dia.	4.7 mm dia.
Conductor size	AWG22 0.34 mm ² (43 × 0.1)	
Approvals	AWM	
Features	Flame retardant Halogen free Oil resistance	
Temperature range	Cable fixed: -50 to +80°C / Cable moved: -25 to +80°C	

Connectors with Cable Attached

■ XS3F - M8 Socket on One Cable End

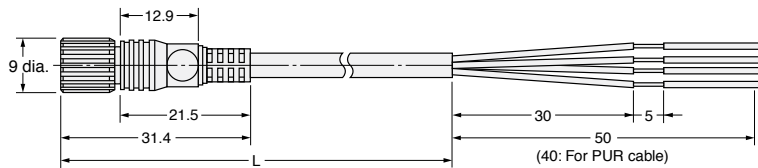
XS3F-M8PVC@@@ M PVC Cable
 XS3F-M8PUR@@@ M PUR Cable



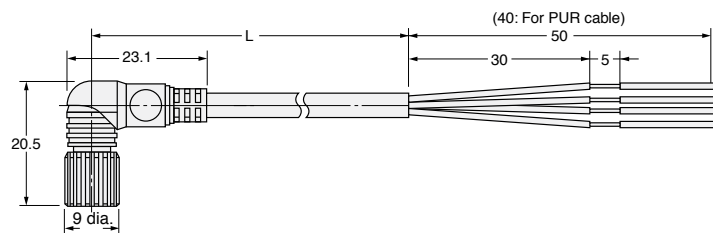
Dimensions

(Unit: mm)

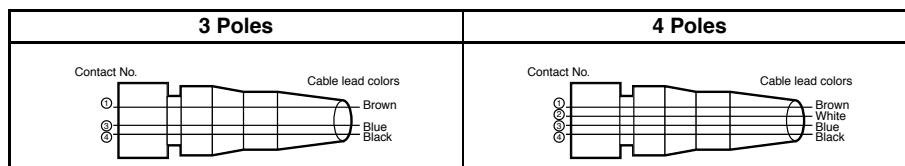
Straight



Angled



Wiring Diagram



Ordering Information

Connector	Size	Cable material	Poles	Type	Length (m)	Product description
Socket	M8	PVC	3	Angled	2	XS3F-M8PVC3A2M
					5	XS3F-M8PVC3A5M
					10	XS3F-M8PVC3A10M
				Straight	2	XS3F-M8PVC3S2M
					5	XS3F-M8PVC3S5M
					10	XS3F-M8PVC3S10M
			4	Angled	2	XS3F-M8PVC4A2M
					5	XS3F-M8PVC4A5M
					10	XS3F-M8PVC4A10M
				Straight	2	XS3F-M8PVC4S2M
					5	XS3F-M8PVC4S5M
					10	XS3F-M8PVC4S10M
		PUR	3	Angled	2	XS3F-M8PUR3A2M
					5	XS3F-M8PUR3A5M
					10	XS3F-M8PUR3A10M
				Straight	2	XS3F-M8PUR3S2M
					5	XS3F-M8PUR3S5M
					10	XS3F-M8PUR3S10M
			4	Angled	2	XS3F-M8PUR4A2M
					5	XS3F-M8PUR4A5M
					10	XS3F-M8PUR4A10M
				Straight	2	XS3F-M8PUR4S2M
					5	XS3F-M8PUR4S5M
					10	XS3F-M8PUR4S10M

Model Number Legend

Use this model number legend to identify products from their model number. When ordering, use a model number from the table in *Ordering Information*.

XS3F - M8 **M**

1 2 3 4 5

1. Screw Type

M8: M8 size

2. Cable type

PVC: PVC cable

PUR: PUR cable

3. Number of Poles

3: 3 poles

4: 4 poles

4. Shape

A: Angled

S: Straight

5. Cable Length

2M: 2 m

5M: 5 m

10M: 10 m



OMRON ELECTRONICS LLC • THE AMERICAS HEADQUARTERS • Schaumburg, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766
www.omron247.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

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OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. Tel: +31 (0) 23 568 13 00 Fax: +31 (0) 23 568 13 88 www.industrial.omron.eu