

Connection Cables - Sensor and Signal

M12 A-coded Cable with LED Indication to Pigtail

Features

- Industry standard M12 right angle female plug with open leads
- Cables can be used with patch cables
- 2m [6.5 ft], 5m [16.4 ft] and 10m [32.8 ft] cable length
- LED indication for 10–36 VDC PNP sensors only
- PUR (polyurethane) jacketed cable for applications with exposure to oil and dynamic applications requiring more flexibility

M12 A-coded Cable with LED Indication to Pigtail

Part Number	Price	Length	Number of Wires	Connector	LED	Cable Jacket/Insulation Material
EVC178*	\$14.00	2m [6.5 ft]	4	90-degree female	Yes	PUR
EVC179*	\$14.50	5m [16.4 ft]				
EVC180*	\$19.50	10m [32.8 ft]				

*Note: LED for 10–36 VDC PNP devices only.

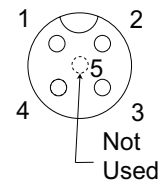
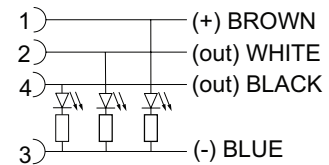
Do not use with NPN or analog output devices.

Do not use when white wire (Pin 2) is used for selection of a sensor function.

Do not use when emitter has check function.

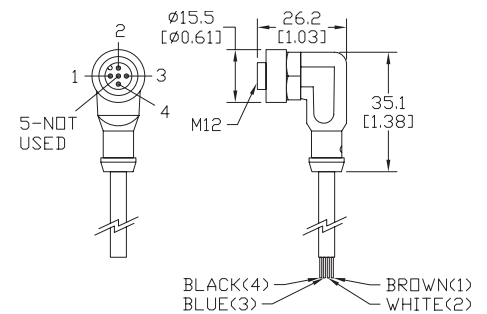


Wiring



Dimensions

mm [inches]



M12 A-coded Cable with LED Indication to Pigtail Specifications

Operating Voltage	10-36 VDC	
Max Voltage - UL Rating	36VDC	
Max Current Per Contact	4A	
Protection Degree	IP65 / IP67 / IP68 / IP69K	
Nut Material	Nickel plated Brass	
Cable Jacket Insulation Material	Polyurethane (PUR)	
Contacts Material	Gold plated	
Tightening Torque	0.6 to 1.5 N·m [0.44 ft·lb to 1.1]	
Conductors Cross Section	0.34 mm ² [22AWG]	
Ø Outer Cable For PUR	4.3 mm [0.17 in]	
Temperature Range Stationary Use	-25 to 90°C [-13 to 194°F]	
Temperature Range Flexible Use	-25 to 90°C [-13 to 194°F]	
Min Bend Radius	Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter	
LED Current Loading	10V input Brown wire LED: 1.7 mA White and/or Black LED: 0.9 mA	36V input Brown wire LED: 7.3 mA White and/or Black LED: 4.7 mA
Switching Status LED	2 x Yellow	
Function Display Power LED	1 x Green	
Approvals *	cULus, CE, UKCA	

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

UL Reference

EVC178	ADOAH043MSS0002H04
EVC179	ADOAH043MSS0005H04
EVC180	ADOAH043MSS0010H04

Note: Shown in UL file under Mini-series Female Cord Connectors using catalog number