

Sensor Cables and Connectors

M12 Cables with LED and quick-disconnect plugs

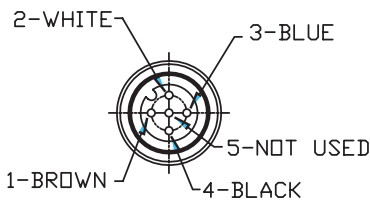
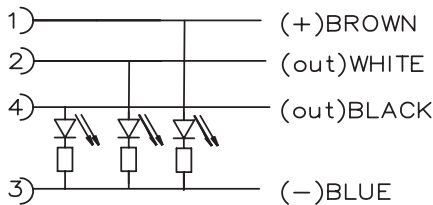
- Industry standard M12 right angle femaleplug with open leads
- These cables can be used with patch cables.
- 2m, 5m and 10m cable lengths
- PUR (polyurethane) jacket for oily and direct sunlight applications
- IP67 /IP68 / IP69K, II rated
- LED indication for 10-36 VDC PNP sensors only

M12 Quick-Disconnect Cables with LED Indicator (Euro, Micro DC-Single Key)						
Part Number	Price	Length	Poles	Connector	LED	Jacket
EVC178*	\$11.00	2m [6.5 ft]	4	Right-angle female	Yes	PUR
EVC179*	\$11.50	5m [16.4 ft]	4	Right-angle female	Yes	PUR
EVC180*	\$14.00	10m [32.8 ft]	4	Right-angle female	Yes	PUR

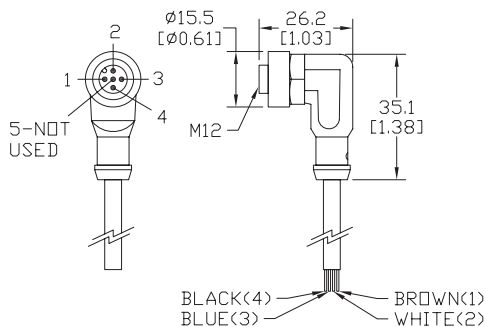
**Note: LED for 10 to 36 VDC PNP devices only.
Do not use with NPN or analog output devices.
Do not use when white wire (Pin 2) is used for selection of a sensor function.
Do not use when emitter has check function.*



Wiring



Dimensions mm [in]



Specifications		
Length	2m [6.5 ft] / 5m [16.4 ft] / 10m [32.8 ft]	
Nominal Voltage	10 to 36 VDC	
Max Current	4A	
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	
Protection Degree	IP67 / IP68 / IP69K	
Material Nut	Nickel plated Brass	
Jacket Material	Polyurethane (PUR)	
Housing Material	Polyurethane (PUR)	
Contacts Material	Gold plated Brass	
Tightening Torque	0.6 to 1.5 N·m	
Conductors Cross Section	4 x 0.34 mm ² [4 x 22 AWG]	
Ø Outer Cable	5mm	
Temperature Range	-25° to +90°C [-13° to 194°F]	
Function Display Power LED	Green	
Switching Status LED	2 x Yellow	
Drag Chain (Roller Cable Tray) Suitability	Bending Radius	min. 10 x cable diameter
	Bending Cycles	>5 million
	Travel Speed	Max. 3.3 m/s for a horizontal travel length of 5m and max. acceleration of 5 m/s ²
	Torsional Strain	±180°/m
Agency Approvals	UL File E191684, RoHS	

UL Reference	
EVC178	ADOAH043MSS0002H04
EVC179	ADOAH043MSS0005H04
EVC180	ADOAH043MSS0010H04

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