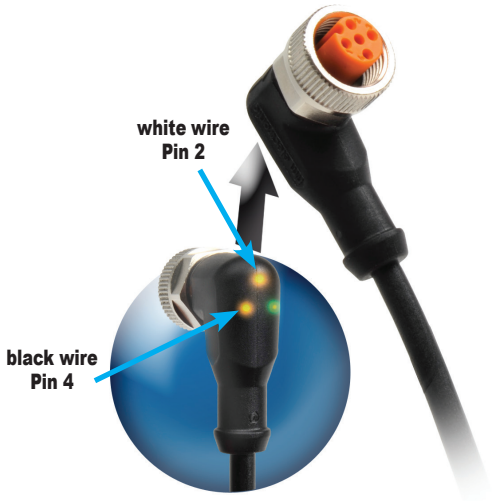
Sensor Cables and Connectors

M12 Cables with LED and quick-disconnect plugs

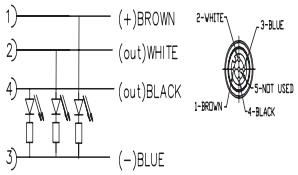
- Industry standard M12 right angle female plug with open leads
- Cables can be used with patch cables.
- 2m, 5m and 10m cable lengths
- PUR (polyurethane) jacket for oily and direct sunlight applications
- IP67 /IP68 / IP69K, II rated
- LED indication for 10–36 VDC PNP sensors only



M12 Quick-Disconnect Cables with LED Indicator (Euro, Micro DC-Single Key)						
Part Number	*Price*	*Length*	*Poles*	*Connector*	*LED*	*Jacket*
EVC178*	$12.00	2m [6.5 ft]	4	Right-angle female	Yes	PUR
EVC179*	$12.50	5m [16.4 ft]	4	Right-angle female	Yes	PUR
EVC180*	$15.50	10m [32.8 ft]	4	Right-angle female	Yes	PUR

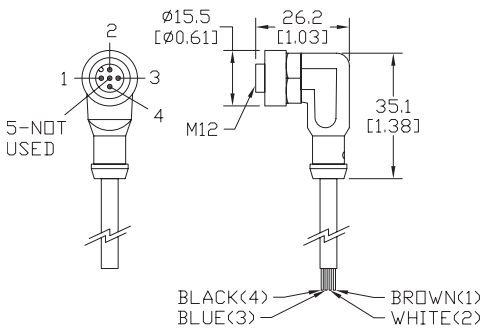
***Note: LED for 10–36 VDC PNP devices only.**
Do not use with NPN or analog ouput devices.
Do not use when white wire (Pin 2) is used for selection of a sensor function.
Do not use when emitter has check function.

Wiring



Dimensions

mm [inches]



Specifications			
Length		2m [6.5 ft] / 5m [16.4 ft] / 10m [32.8 ft]	
Nominal Voltage		10–36 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 mm² [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/s2	
	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