



Y connection cable

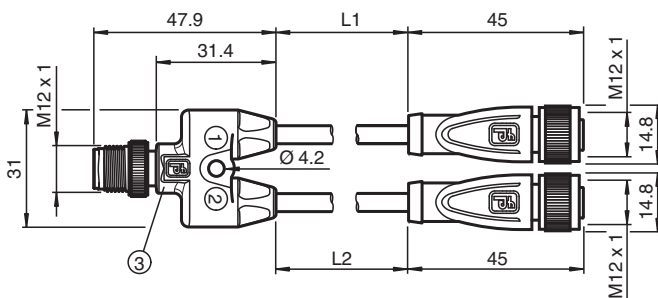
V1-G-OR0,6M-POC-T-V1-G

- Easy merging of two signals at a single M12 slot
- Welding-bead resistant
- Suitable for robotic applications / torsion resistant
- Free of paint wetting interfering substances
- Ozone resistant
- Hydrolysis resistant
- Oil resistant
- Resistant to microbes and hydrolysis
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Y connection cable M12 plug straight A-coded 4-pin to 2x M12 socket straight A-coded 4-pin, 2x POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked



Dimensions



Technical Data

General specifications

Connector 1	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded
Connector 2	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded
Connector 3	
Connection	plug
Construction type	M12
Style	straight

Release date: 2025-04-08 Date of issue: 2025-04-08 Filename: 296499_eng.pdf

Technical Data

Locking		screw connection
Number of pins		4
Coding		A-coded
Electrical specifications		
Operating voltage	U _B	max. 48 V AC / 60 V DC
Operating current	I _B	max. 4 A
Conformity		
Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		IEC 60332-1-2 , ISO 14572 , ISO 6722
Halogen-free		IEC 60754-2
Hydrolysis resistance		ISO 6722
Oil resistance		ISO 14572
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-40 ... 120 °C (-40 ... 248 °F) for 20000 h -40 ... 150 °C (-40 ... 302 °F) for 3000 h
Cable, flexing		-15 ... 120 °C (5 ... 248 °F) for 20000 h -15 ... 150 °C (5 ... 302 °F) for 3000 h
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.6 Nm
Loosening protection		available
Tool installation		straight knurling
Mating cycles		min. 100
Degree of protection		IP67 / IP68 / IP69
Cable		
Sheath diameter		4.8 mm
Bending radius		> 10 x cable diameter, movable installation > 10 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		orange (similar to RAL 2003)
Number of cores		4
Core cross section		0.34 mm ²
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction		19 x 0.16 mm Ø
Length	L	L1 = 0.6 m L2 = 0.6 m
Cable code		Li 7Y 41X 4 x 0,34
Drag chain suitability		
Torsion cycles		min. 300000
Torsional stress		± 360 °/30 cm
Mass		85 g
Material		
PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Au
Flammability		V-2

Technical Data

Cable	
Sheathing	POC
Core insulation	ETFE
Welding-bead resistance	yes
Weld spatter resistance	yes
Oil resistance	yes
Hydrolysis resistance	yes
Flammability	flame-resistant
Molecularly cross-linked	yes

Connection Assignment

