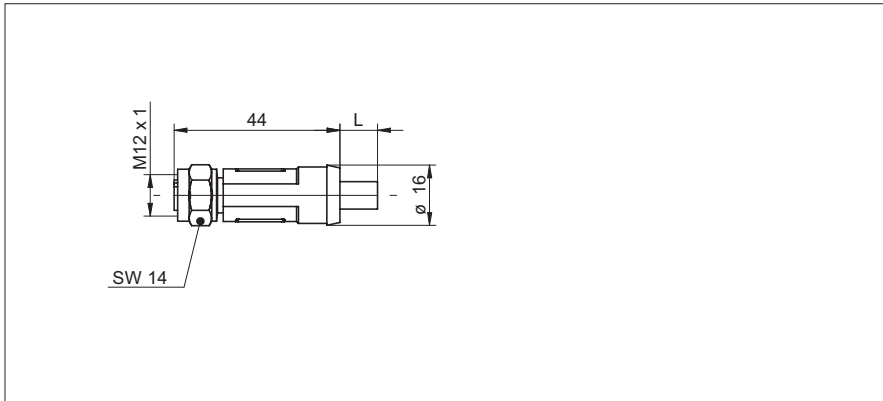


Connector M12 with attached PE-X-cable, shielded

dimension drawing



- For outdoor applications
- 5 wire, shielded
- Shield connected with cap nut
- External sheath consisting of PE-X
- Halogen free
- High grade steel cap nut (1.4404)
- M12 connector IEC 61076-2-101

General data

Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	see listing
Ambient temperature (operation)	-40 ... 105 °C -40 °C ... 85 °C (On sudden changes in temperature (according to IEC 60512-11-4))

General characteristics

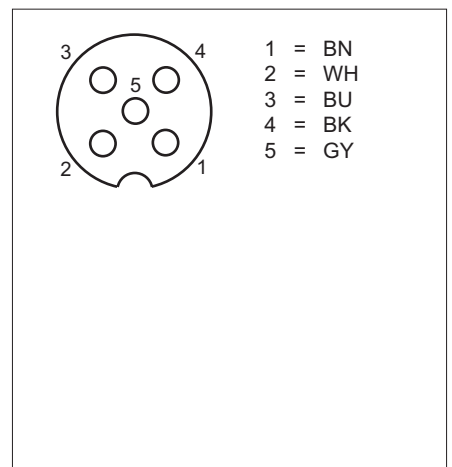
Coding	A-standard
Pollution degree	3
Degree of protection	IP65/IP67/IP68/IP69K
Torque	0.4 Nm (M12 connector)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP
Material of grip body	PP
Material, cap-nut	High-grade steel 1.4404
Seal material	FPM
Status display	no

Conductor data

Cable type	PE-X halogen-free black, shielded
Cable abbreviation	Li2X2X-C-VI-2X
Conductor cross section	5 x 0,5 mm ²
AWG signal line	20
Conductor structure, signal line	28 x 0,15 mm
Core diameter including insulation	1,6 mm \pm 0,05 mm
Thickness, insulation	ca. 0,3 mm (Core insulation) ca. 0,7 mm (Outer cable sheath) ca. 0.45 mm (Inner sheath)
External cable diameter	7,25 mm \pm 0,3 mm
Wire colors	Brown, white, blue, black, grey
External sheath, color	Black-gray RAL 7021

type	Mat.-No.	length
straight connectors		
ESG 34CE0200G	11205649	2 m
ESG 34CE0500G	11205638	5 m
ESG 34CE1000G	11205639	10 m
other lengths on request		

pin assignment



Connector M12 with attached PE-X-cable, shielded

Conductor data (cont.)	
Conductor resistance	max 39 Ω/m (at 20 °C)
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	5 wires around filler to the core
Length of twist, overall twist	68 mm
Shielding	Braided copper wires
Optical shield covering	85 %
Outer sheath, material	PE-X
Material conductor insulation	PE-X
Material conductor insulation	PE-X
Material filler	PP yarn
Conductor material	Bare Cu litz wires
Cable weight	85 kg/km
Smallest bending radius, fixed installation	37 mm
Smallest bending radius, movable installation	73 mm
Number of bending cycles	1'000'000
Bending radius	73 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 ... 105 °C (cable, fixed installation)
	-15 ... 105 °C (cable, flexible installation)
Flame resistance	According to DIN 60332-1-2 According to DIN EN 50266-2-5
Halogen-free	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
Resistance to oil	in accordance with DIN EN 60811-2-1, 168h at 100 °C
Other resistance	in accordance with DIN EN 50306 resistant to fuel after IEC 60811, 168h at 70 °C UV resistant According to DIN EN ISO 4892-2-A UV resistant According to DIN VDE 0276-605