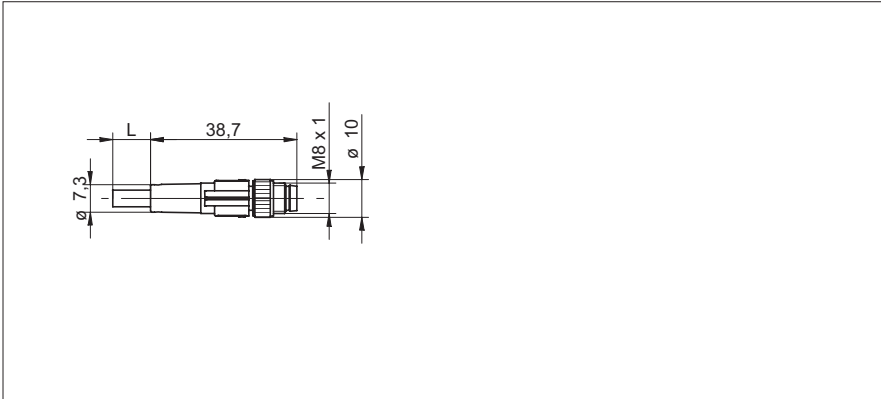


Connector M8 x 1 with attached PUR-cable

dimension drawing



- 3-wire
- PUR halogen-free
- suitable for flexible cable carriers
- self-locking cap nut
- UL listing file No. E315836

General data

Nominal current I_N	4 A
Nominal voltage U_N	60 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	see listing
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 ... 90 °C

General characteristics

Coding	A-standard
Degree of protection	IP65/IP68/IP69K
Torque	0.2 Nm (M8 plug-in connectors)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Status display	no

Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0,25 mm ²
AWG signal line	24
Conductor structure, signal line	32x0,10 mm
Core diameter including insulation	1,17 mm \pm 0,02 mm
Thickness, insulation	$\geq 0,38 \text{ mm}$ (Core insulation)
	ca. 0,9 mm (Outer cable sheath)
External cable diameter	4,40 \pm 0,15 mm
Wire colors	Brown, blue, black
External sheath, color	Black-gray RAL 7021

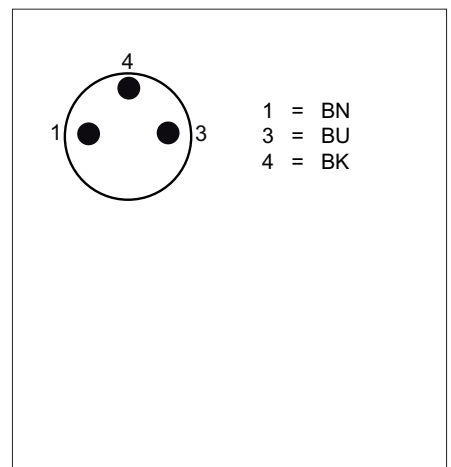
type	Mat.-No.	length
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straight connectors

KSG 32SH0150	10149652	1,5 m
KSG 32SH0300	10149653	3 m

other lengths on request

pin assignment



Connector M8 x 1 with attached PUR-cable

Conductor data (cont.)	
Conductor resistance	≤ 78 Ω/km (at 20°C)
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	3 wires, twisted
Length of twist, overall twist	40 mm
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	24 kg/km
Smallest bending radius, fixed installation	22 mm
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4'000'000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 ... 80 °C (cable, fixed installation)
	-25 ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	hydrolysis and microbe resistant Highly resistant to acids, alkaline solutions and solvents Resistant to salt water