

cable sockets M8, 3-wire, for robotic applications

length	0.3m, 0.6m, 1.0m, 1.5m 2.0m, 3.0m, 5.0m
versions	connector M8 straight socket M8 angular / straight

- ✓ PUR-cable
- ✓ orange
- ✓ protection class IP67 and IP69k in screwed condition



**suitable for trailing chain
and torsion resistant**



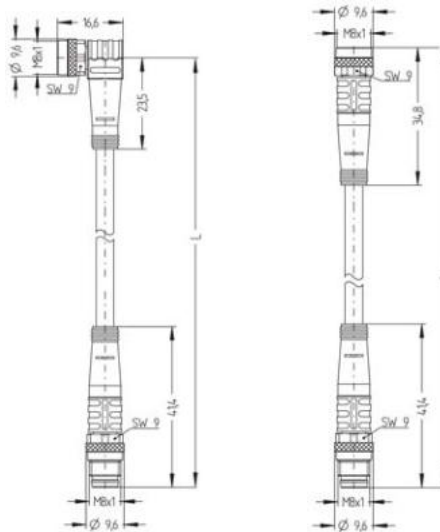
Technical Data

contact carriers	TPU, black
grip	TPU, black
contacts	CuZn, gold-plated
seal	FPM/FKM
union nut	CuZn, nickel-plated
protection class	IP67, IP69k (in screwed condition)
cable diameter	Ø 4.6mm
wire assembly	32 x 0.1mm
cable sheath	PUR, halogen-free
core insulation	PP, halogen-free
core cross-section	0.25mm ²
rated voltage	max. 60V
insulation resistance	≥ 10 ⁸ Ω
ampacity	4A
degree of soiling	3
ambient temperature	- 40... +90°C (fixed)
mechanical lifespan	> 100 mating cycles
colors of connection wires	1 brown, 3 blue, 4 black

articles

length	0.3m	0.6m	1.0m	1.5m	2.0m	3.0m	5.0m
article-no. socket angular	VK03RF70	VK06RF70	VK10RF70	VK15RF70	VK20RF70	VK30RF70	VK50RF70
article-no. socket straight	VK03RF74	VK06RF74	VK10RF74	VK15RF74	VK20RF74	VK30RF74	VK50RF74

dimensional drawing



cable specifications

Flexible, silicone- and halogen-free control cable with high mechanical strength. Due to its outstanding properties in drag-chain adaption, torsion-resistance and weld-field immunity, it is very well suited for the flexible applications in robotics, handling- and assembly technology as well as machine tools. The cable meets the UL and CSA (UL10493/20549; cULus) requirements.

properties:

- flame resistant (VDE 0482-332-2-2, DIN EN/IEC 60332-2-2, UL/CSA FT2)
- seawater resistant
- recyclable
- LABS-free
- RoHS-compliant
- acid- and alkali proof
- good ozone- and UV-resistance
- hydrolysis resistant
- suitable for trailing chain and torsion resistant
- weld-field immunity
- halogen-free (DIN EN50267-2-1, IEC60754-1, VDE0482-267-2-1)
- silikon-free
- oil-resistant

temperature range	mobile	-30 ... +90°C
	fixed	-40 ... +90°C
	trailing chain	-25 ... +60°C
bending radius	mobile	10 x Ø-cable
	fixed	5 x Ø-cable
nominal voltage		≤ 300V
sheath color		orange (similar to RAL2003)
cable construction		VDE0295 / EN/IEC60228, class 5
	conductor material	CU-ETP1, blank (DIN EN 13602)
	insolation	PP, halogen-free
	stranding	for trailing chain and torsion
	sheath material	PUR, halogen-free