

VKx0R321 / VKx0R325

accessories

cable sockets M12, 4-wire, for robotic-applications

/ PUR-cable

/ orange

/ protection class IP65 and IP67 in screwed state



Suitable for trailing chain and torsion resistant

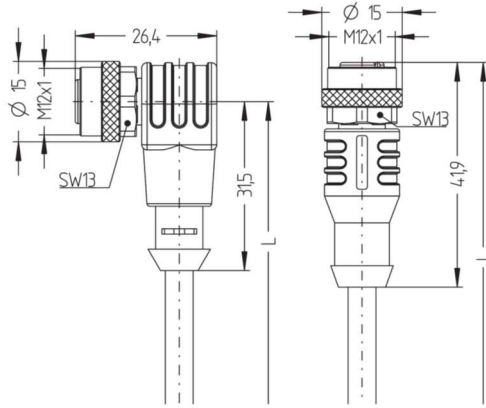
TECHNICAL DATA

contact carriers	TPU, black
grip	TPU, black
contacts	CuZn, gold-plated
seal	FPM / FKM
union nut	CuZn, nickel-plated
protection class (EN 60529)	IP65, IP67 (screwed)
cable diameter	Ø 5,2mm
wire assembly	42 x 0,1mm
cable sheath	PUR, halogen-free
core insulation	PP, halogen-free
core cross-section	0,34mm ²
rated voltage	max. 250V
insulation resistance	≥ 10 ⁸ Ω
amacity	4A
degree of soiling	3
ambient temperature	-40 ... +90°C (fixed)
mechanical lifespan	> 100 mating cycles
colors of connection wires	1 = brown, 2 = white, 3 = blue, 4 = black

articles

lengths	2m	5m	10m	15m	20m
article-no. angular	VK20R321	VK50R321	VKA0R321	VKAER321	VKB0R321
article-no. straight	VK20R325	VK50R325	VKA0R325	VKAER325	VKB0R325

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)
- silicone-free

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)
	insulation	PP, halogen-free
	stranding	for trailing chain and torsion
	sheath material	PUR, halogen-free