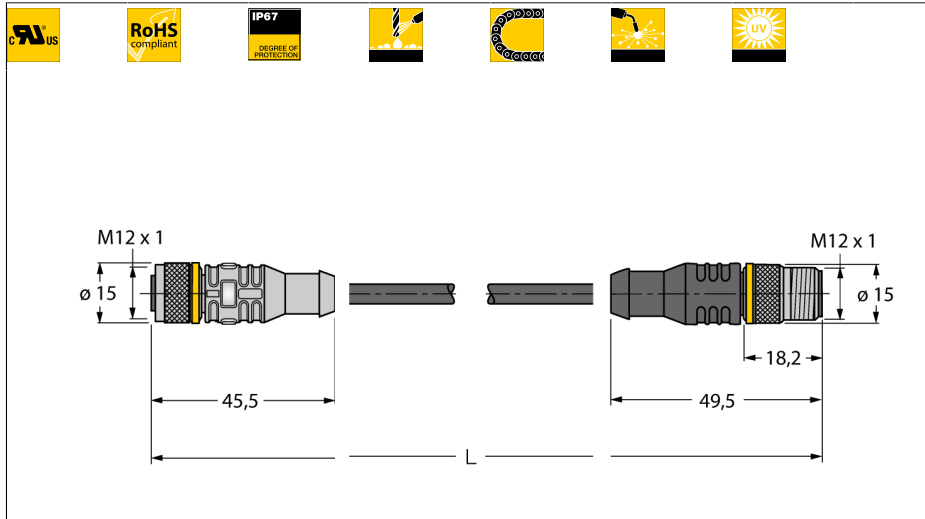


Actuator/sensor cable, PUR extension cable RKC5T-P7X2-1-RSC5T/TXL

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Industrial
Automation

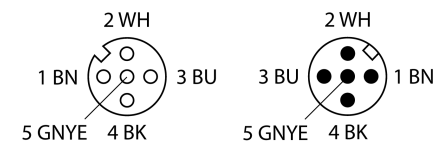


- Female M12, straight, 4-pin + PE
- With 2-color LED (PNP, yellow, green)
- Male M12, straight, 4-pin + PE
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 1.0 m

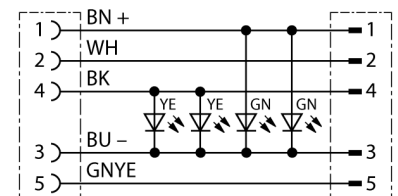
Type code RKC5T-P7X2-1-RSC5T/TXL
Ident no. 6627217

Connector A side
Number of pins female connector, M12 x 1, straight
4 + PE
Contacts metal, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip plastic, TPU, transparent
Coupling nut/screw metal, CuZn, nickel-plated
Coupling nut/screw metal
Protection class IP67, only in screwed state
Operating voltage LED green
Display switch state LED yellow
Mechanical lifespan > 100 mating cycles
Pollution degree 3
Tightening torque 0.8 ... 1 Nm
(observe max. value of counter piece!)

Pin assignment



circuit diagram



Connector B side
Number of pins male connector, M12 x 1, straight
4+PE
Contacts metal, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip plastic, TPU, black
Coupling nut/screw metal, CuZn, nickel-plated
Coupling nut/screw metal
Protection class IP67, only in screwed state
Mechanical lifespan > 100 contact durability
Pollution degree 3
Tightening torque 0.8 ... 1 Nm
(observe max. value of counter piece!)

General data
Cable diameter Ø 5.5 mm +/-0.20
Cable length 1 m
Sheath color PUR (black)
Core insulation (colors) PP (BN, WH, BU, BK, GNYE)
Core cross-section 5x0.34mm²
Litz wire arrangement 42x0.1 mm

Electrical features at +20 °C
Rated current 4 A
Rated voltage [Umax] 30 V
Insulation resistance > 1 GΩ x km
Test voltage 2000 V
Forward resistance max. 57.5 Ω/km

**Actuator/sensor cable, PUR
extension cable
RKC5T-P7X2-1-RSC5T/TXL**

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Mechanical and chemical properties

Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
bending cycles	$> 5 \text{ mil.}$
Static Bending Radius	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
Admissible acceleration	max. 5 m/s^2
Admissible travel path, horizontal	5 m (at 5 m/s^2)
Admissible travel path, vertical	2 m (at 5 m/s^2)
Admissible traversing speed	3.3 m/s
Torsional stress	$\pm 180^\circ/\text{m}$
Ambient temperature	
at rest	-50 ... 80°C
In moving state	-25 ... 80°C
drag chain operation	-25 ... 60°C