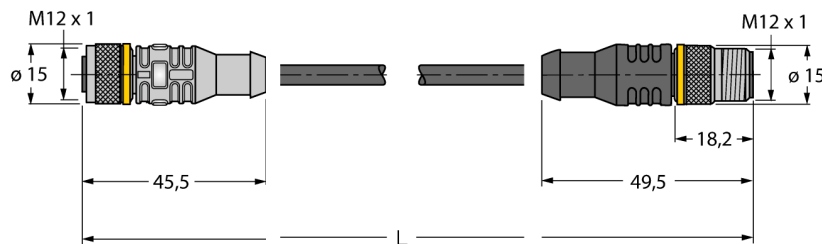


Actuator/sensor cable, PUR extension cable RKC5T-P7X2-2-RSC5T/TXL

TURCK

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: 2.0 m

Type code

RKC5T-P7X2-2-RSC5T/TXL

Ident no.

6627218

Connector A side

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

Connector B side

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

General data

Cable diameter	Ø 5.5 mm +/-0.20
Cable length	2 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

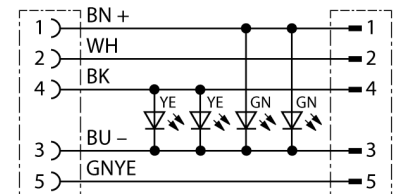
Electrical features at +20 °C

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

Pin assignment



circuit diagram



**Actuator/sensor cable, PUR
extension cable
RKC5T-P7X2-2-RSC5T/TXL**

TURCK

Industrial
Automation

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	$-50 \dots 80^\circ\text{C}$
In moving state	$-25 \dots 80^\circ\text{C}$
drag chain operation	$-25 \dots 60^\circ\text{C}$