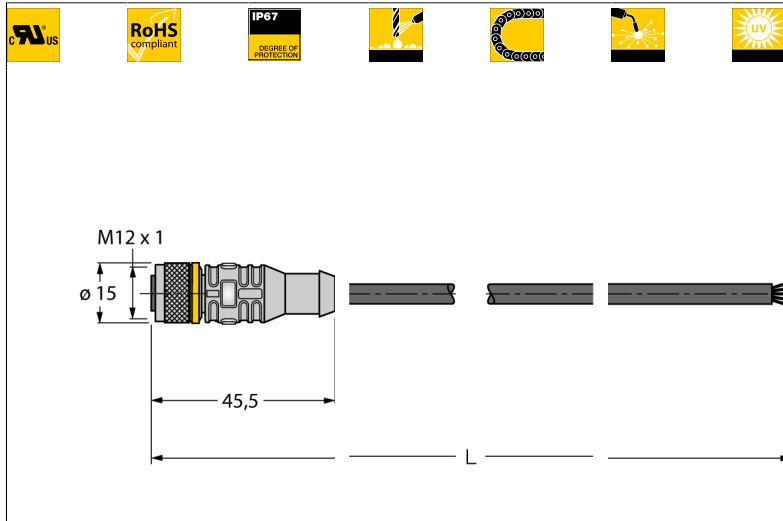


Actuator/sensor cable, PUR connection cable RKC5T-P7X2-10/TXL

TURCK

Industrial
Automation



- Female M12, straight, 4-pin + PE
- With 2-color LED (PNP, yellow, green)
- 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: 10 m

Type code

RKC5T-P7X2-10/TXL

Ident no.

6627214

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!)

General data

Cable diameter	Ø 5.5 mm +/-0.20
Cable length	10 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, WH, BU, BK, GNYE)
Core cross-section	5x0.34mm ²
Litz wire arrangement	42x0.1 mm

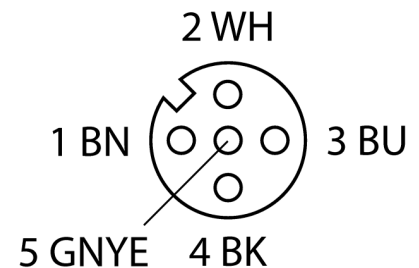
Electrical features at +20 °C

Rated current	4 A
Rated voltage [U _{max}]	30 V
Insulation resistance	> 1 GΩ x km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km

Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
bending cycles	> 5 mil.
Static Bending Radius	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
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	± 180 °/m
Ambient temperature	
at rest	-50 ... 80°C
In moving state	-25 ... 80°C
drag chain operation	-25 ... 60°C

Pin assignment



circuit diagram

