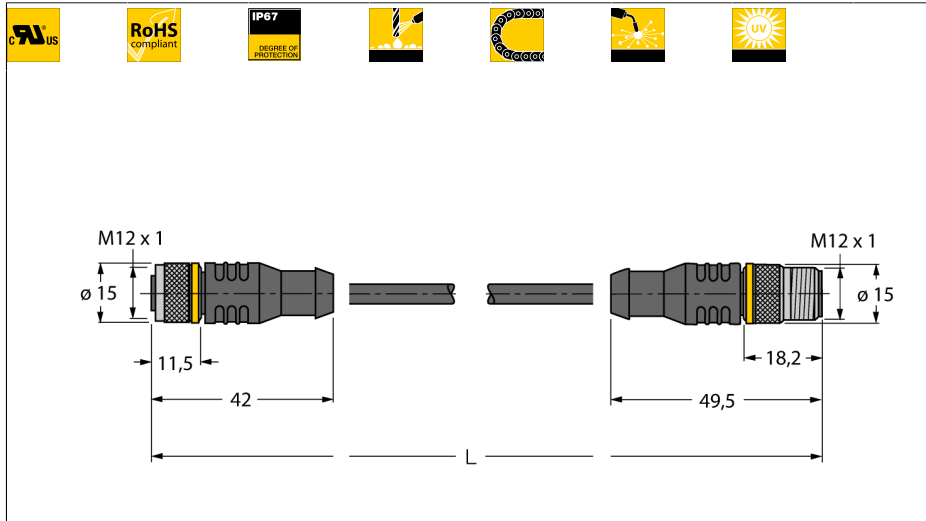


Actuator/sensor cable, PUR
extension cable
RKC4T-2-RSC4T/TXL

TURCK

Industrial
Automation



- Female M12, straight, 3-pin
- Male M12, straight, 3-pin
- 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	RKC4T-2-RSC4T/TXL
Ident no.	6625604
Connector A side	female connector, M12 x 1, straight
Number of pins	3
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 mating cycles
Pollution degree	3
Tightening torque	0.8 ... 1 Nm (observe max. value of counter piece!)

Connector B side	male connector, M12 x 1, straight
Number of pins	3
Contacts	metal, CuZn, gold-plated
Contact carriers	plastic, TPU, black
Grip	plastic, TPU, black
Coupling nut/screw	metal, CuZn, nickel-plated
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 4.3 mm +/-0.20
Cable length	2 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, BU, BK)
Core cross-section	3x0.34mm ²
Litz wire arrangement	42x0.1 mm

Electrical features at +20 °C	
Rated current	4 A
Rated voltage [U _{max}]	250 V
Insulation resistance	> 1 GΩ x km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km

Pin assignment



circuit diagram



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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