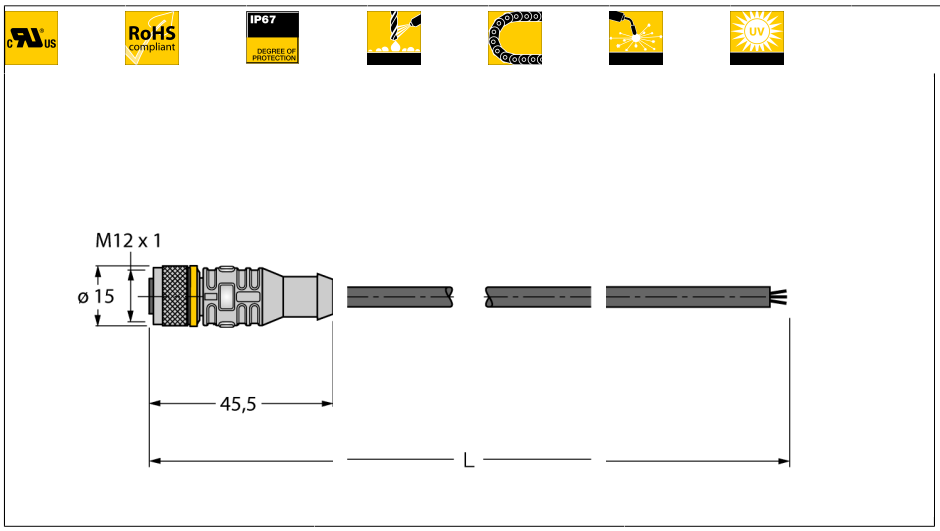
Actuator/sensor cable, PUR connection cable
RKC4T-P7X2-5/TXL



- **Female M12, straight, 3-pin**
- **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: 5.0 m**

Type code	RKC4T-P7X2-5/TXL
Ident no.	6626204

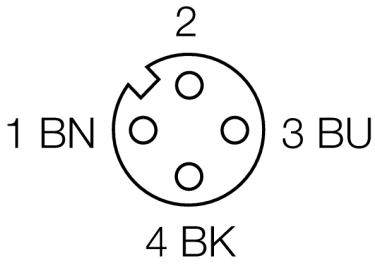
Connector A side	female connector, M12 x 1, straight
Number of pins	3
Contacts	metal, CuZn, gold-plated
Contact carriers	plastic, TPU, black
Grip	plastic, TPU, transparent
Coupling nut/screw	metal, CuZn, nickel-plated
Coupling nut/screw	metal
Protection class	IP67, only in screwed state
Operating voltage	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!)

General data	
Cable diameter	Ø 4.3 mm +/-0.20
Cable length	5 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, BU, BK)
Core cross-section	3x0.34mm²
Litz wire arrangement	42x0.1 mm

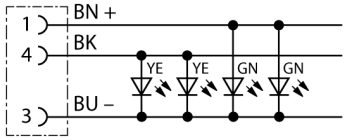
Electrical features at +20 °C	
Rated current	4 A
Rated voltage [Umax]	30 V
Insulation resistance	> 1 GΩ x km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km

Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm²
Max. tensile strength (dynamic)	≤ 20 N/mm²
bending cycles	> 5 mil.
Static Bending Radius	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s²
Admissible travel path, horizontal	5 m (at 5 m/s²)
Admissible travel path, vertical	2 m (at 5 m/s²)
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



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