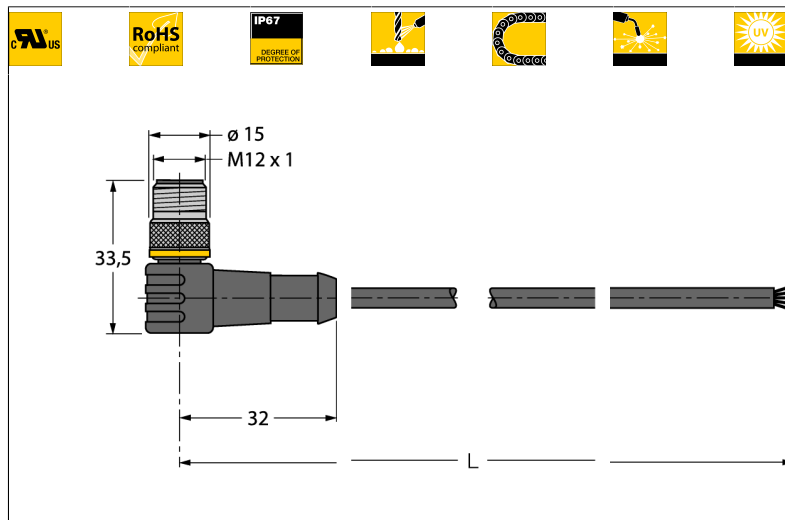


Actuator/sensor cable, PUR connection cable WSC4.5T-2/TXL

TURCK

Industrial
Automation



- Male M12, angled, 5-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

Ident no.

WSC4.5T-2/TXL

6625542

Connector A side

Number of pins	male connector, M12 x 1, angled
Contacts	5
Contact carriers	metal, CuZn, gold-plated
Grip	plastic, TPU, black
Coupling nut/screw	plastic, TPU, black
Coupling nut/screw	metal, CuZn, nickel-plated
Protection class	metal
Mechanical lifespan	IP67, only in screwed state
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	2 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, WH, BU, BK, GY)
Core cross-section	5x0.34mm ²
Litz wire arrangement	42x0.1 mm

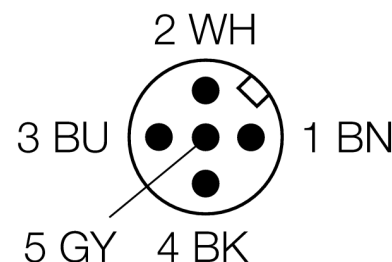
Electrical features at +20 °C

Rated current	4 A
Rated voltage [U _{max}]	60 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

