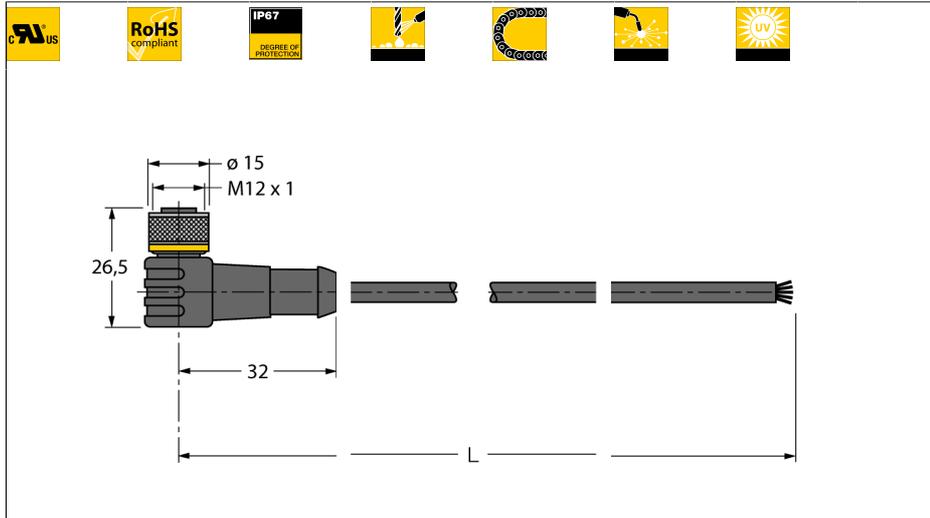


**Actuator/sensor cable, PUR
connection cable
WKC4.5T-5/TXL**

TURCK

Industrial
Automation

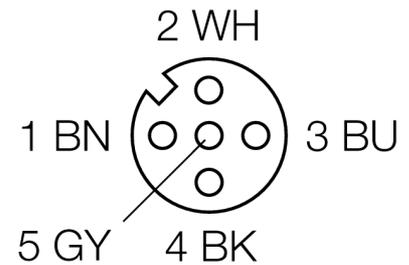


- Female M12, angled, 5-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

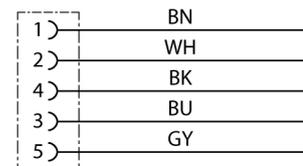
Type code	WKC4.5T-5/TXL
Ident no.	6625519

Pin assignment

Connector A side	female connector, M12 x 1, angled
Number of pins	5
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!)



circuit diagram



General data	
Cable diameter	Ø 5.5 mm +/-0.20
Cable length	5 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