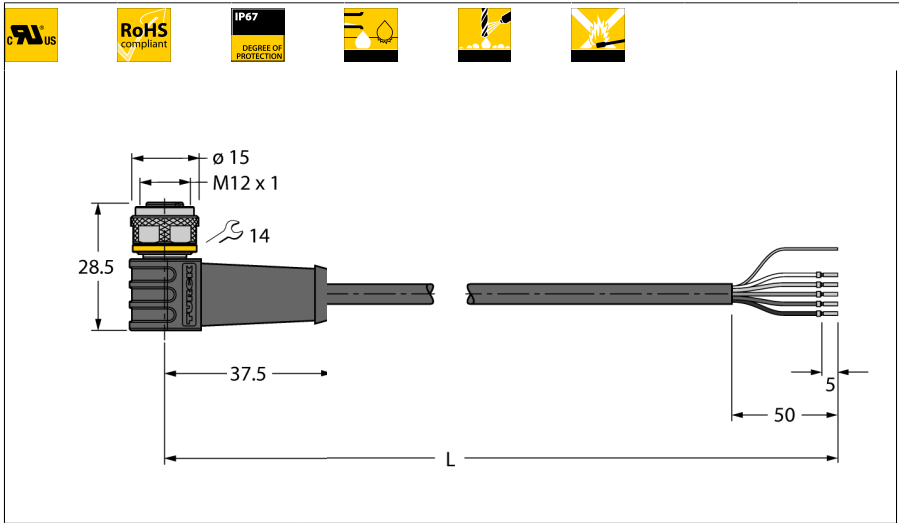


Actuator/sensor cable, PVC
Connection cable
WKS4.5T-10/TEL



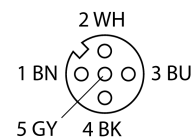
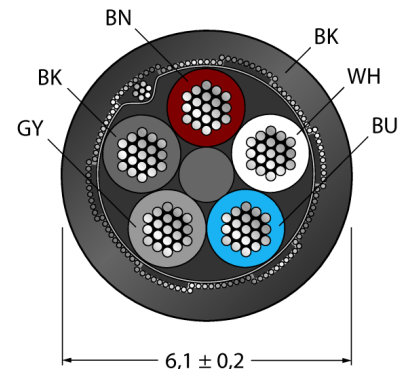
- Female M12, angled, 5-pin
- Shield on coupling nut/screw
- Sheath material: PVC, shielded
- Sheath color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 10 m

Type designation	WKS4.5T-10/TEL
Ident no.	6626366

Cable Cross-section

Connector A side	Female connector, M12 ⤵ 1, Angled
Number of pins	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Grip	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Protection class	IP67, A + B side screwed together
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Tightening torque	0.8 ... 1 Nm (observe max. torque of counter piece!)

General data	
Cable diameter	6.1 ± 0.20mm
Cable length	10 m
Cable quality	PVC
Cable color	Black
Core insulation	PVC
Core colors	BN, WH, BU, BK, GY
Core cross-section	5x0.34mm ²
Arrangement of strands	42x0.1 mm
Shielding	Aluminum foil, tinned copper wire

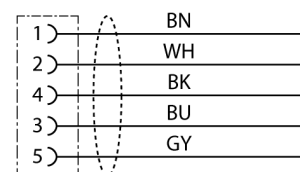


Electrical features at +20 °C	
Current	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57 Ω/km

Drawing shows design status including hexagon coupling nut
 (Start of production CW42/2016).


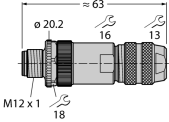

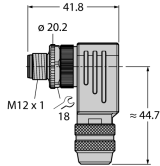

Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary	-40...+105°C
In motion	0...+80°C

Circuit Diagram



Actuator/sensor cable, PVC
Connection cable
WKS4.5T-10/TEL

Accessories

Type code	Ident no.	Description	
CMBS8151-0	6930161	Field-wireable male connector, M12  , straight, 5-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm ² , metal housing, metal nut, shieldable	
CMBS8251-0	6930216	Field-wireable male connector, M12  , angled, 5-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm ² , metal housing, metal nut, shieldable	
Torque-Wrench-Set-AS	6936170	Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)	
BLANK-LABEL-FOR-CORDSETS-TEL-TXL	6936206	Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant	