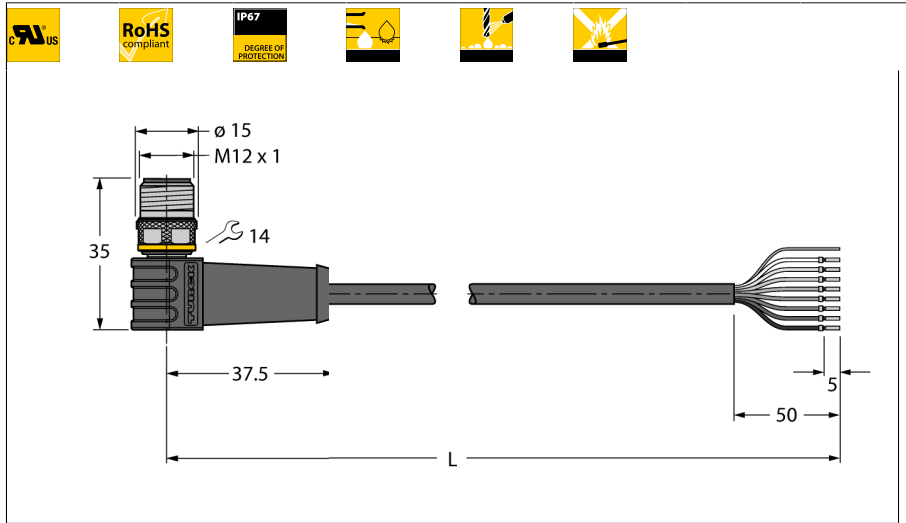


**Actuator/sensor cable, PVC**  
**Connection cable**  
**WSS8T-10/TEL**



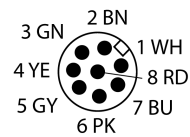
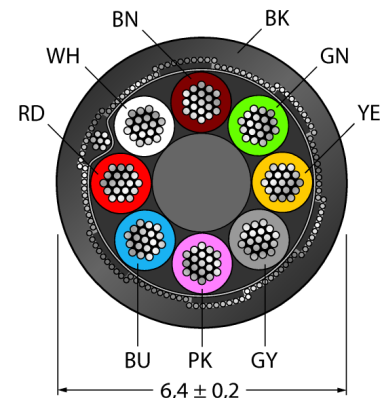
- Male M12, angled, 8-pin
- Shield on coupling nut/screw
- Sheath material: PVC, shielded
- Sheath color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 10 m

**Type designation** WSS8T-10/TEL  
**Ident no.** 6625457

**Cable Cross-section**

<b>Connector A side</b>	Connector, M12 ↙ 1, Angled
Number of pins	8
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Grip	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
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!)

<b>General data</b>	
Cable diameter	6.4 ± 0.20mm
Cable length	10 m
Cable quality	PVC
Cable color	Black
Core insulation	PVC
Core colors	WH, BN, GN, YE, GY, PK, BU, RD
Core cross-section	8x0.25mm <sup>2</sup>
Arrangement of strands	32x0.1 mm
Shielding	Aluminum foil, tinned copper wire

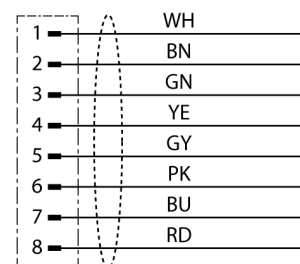


<b>Electrical features at +20 °C</b>	
Current	2 A
Rated voltage	30 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 79 Ω/km

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

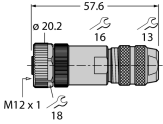
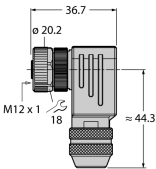

<b>Mechanical and chemical properties</b>	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary	-40...+105°C
In motion	0...+80°C

**Circuit Diagram**



**Actuator/sensor cable, PVC**  
**Connection cable**  
**WSS8T-10/TEL**

**Accessories**

Type code	Ident no.	Description	
CMB8181-0	6931450	Field-wireable female connector, M12 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm <sup>2</sup> , metal housing, metal nut, shieldable	
CMB8281-0	6932024	Field-wireable female connector, M12 1, angled, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm <sup>2</sup> , 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	