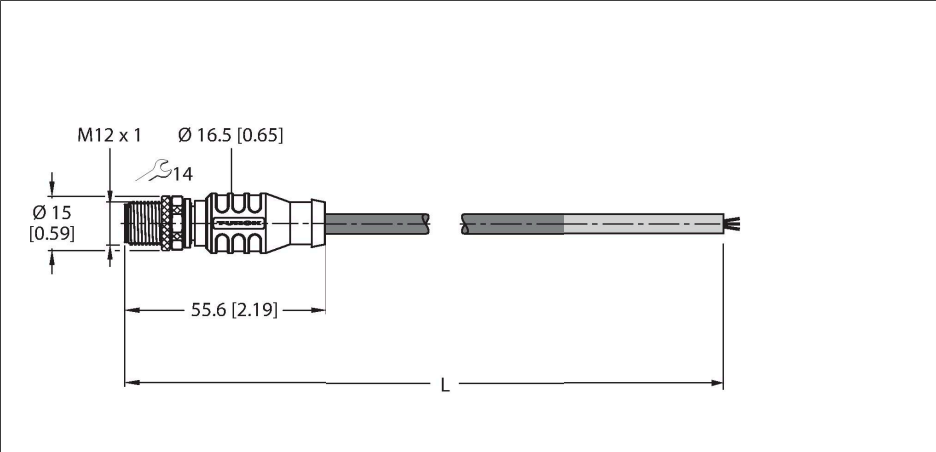


RSSW 456-25M-OBS

PROFIBUS Cable – PUR Cable Jacket



Technical data

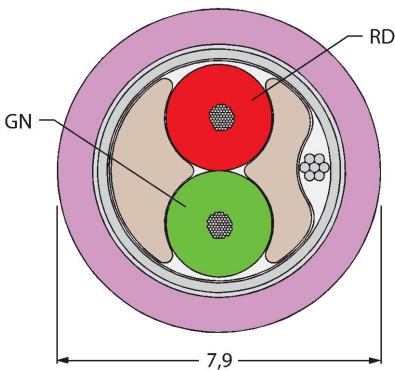
Type	RSSW 456-25M-OBS
ID	U0340-725
Connector A	Male, M12 × 1, Straight, B-coded
Number of pins	5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Cable	
Network protocol	PROFIBUS-DP, 456
Cable diameter	Ø 7.9 mm ±0.30
Cable length	25 m
Cable jacket	PUR, Violet
Shielding	Aluminum foil, tinned copper wire
Core insulation	PE
Core cross-section	2 x 0.34 mm ²
Arrangement of strands	19 x 0.15 mm
Core colors	GN, RD
Electrical properties at +20 °C	
Current	4 A
DC resistance (loop)	50 Ω/km
Nom. impedance	150 Ω (1 MHz)

Features



- Jacket material: PUR, 2 × 22 AWG
- Jacket color: violet
- UL approval
- End open
- M12 male connector, straight, reverse-keyed
- Cable length: 25 m

Cable Cross-Section



Technical data

Nom. capacitance	29.53 pF/m
Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 15 \times \varnothing$
Ambient temperature (fixed)	-40...+80 °C
Ambient temperature (mobile)	-40...+80 °C
Other Features	
Qualified for drag chain use	no
Halogen-free	no
UV resistance	yes
Flame-retardant	yes
Approvals	UL CSA