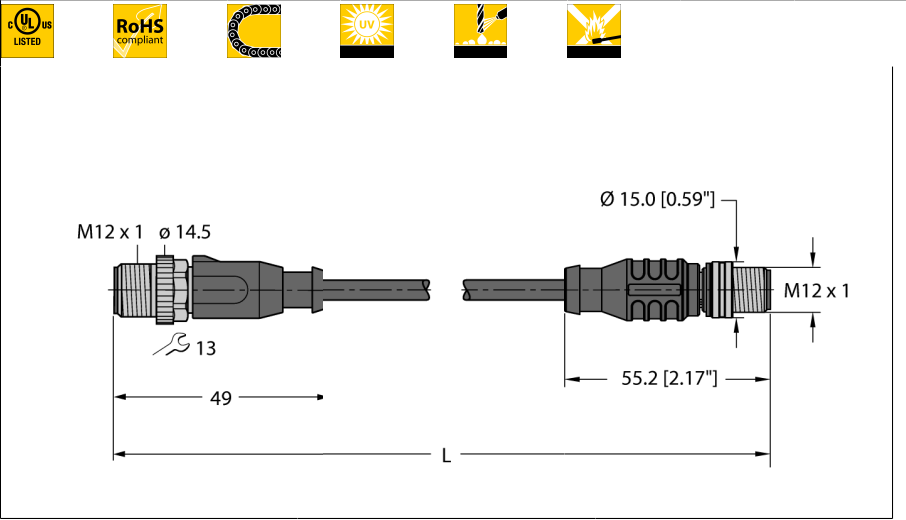


Industrial Ethernet Cable
Extension Cable
RSSD-RSSX-4414-20M



Type	RSSD-RSSX-4414-20M
ID	100031289

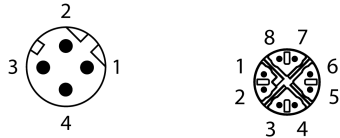
Connector A	Male, M12 × 1, Straight, D-coded
Number of pins	4
Contact carriers	Plastic, PA, UL 94, Black
Connector body	Plastic, TPU, UL 94, Black
Coupling nut/screw	Brass, GD-Zn, Nickel-plated
Tightening torque (range)	0.4 ... 0.6 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3/2
Protection class	IP67, Only in screwed condition

Connector B	Male, M12 × 1, Straight, X-coded
Number of Pins	8
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only when screwed together

Cable	
Network protocol	Ethernet, 4414
Cable diameter	Ø 4.8mm ±0.30
Cable length	20 m m
Cable jacket	PUR, Green
Shielding	Aluminum foil, tinned copper wire
Core insulation	PP
Core cross-section	4 x 0.15 mm²
Arrangement of strands	19 x 0.102mm
Core colors	WHOG, WHBU, BU, OG



- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shielding: aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV resistant
- Oil resistant acc. to IEC 60811-2-1 and DIN VDE 0282 part 10
- Free from silicone, PVC and LABS
- Free from halogen acc. to IEC 60754-2
- Flame retardant acc. to IEC 60332-1-2
- Approval: cULus
- RoHS compliant
- Protection class IP67
- M12 male connector, straight, D-coded
- Cable length: 20 m



Circuit Diagram

Electrical properties at +20 °C

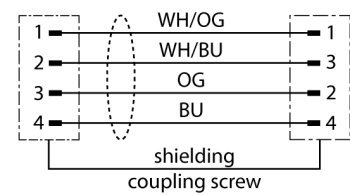
Rated voltage	42V
Test voltage	700 V
Current	3AA
Nom. impedance	100 Ω (1MHZ)
Nom. capacitance	51 pF/m

Mechanical and chemical properties

Bending radius (stationary installation)	≥ 15 x Ø
Bending cycles	≥ 5 million
Torsional stress	± 30 °/m
Torsion cycles	Max. 100,000
Ambient temperature (fixed)	-40...+80°C
Ambient temperature (mobile)	-25...+80°C

Other Features

Qualified for drag chain use	yes
Halogen-free	yes
Silicone-free	yes
PVC-free	yes
Resistant to weld splatter	yes
Resistant to chemicals	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes



Accessories

Type code	Ident no.		Dimension drawing
TORQUE-WRENCH-SET-BUS	6936171	Torque wrench set; grip with adjustable torque 0.4 to 1.0 Nm; torque wrench set, fork wrench for M8 (SW9), fork wrench for M12 (SW13), fork wrench for M12 (SW14)	