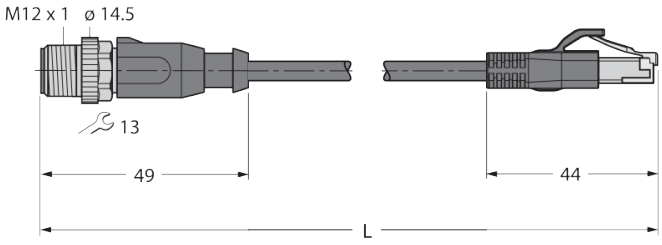
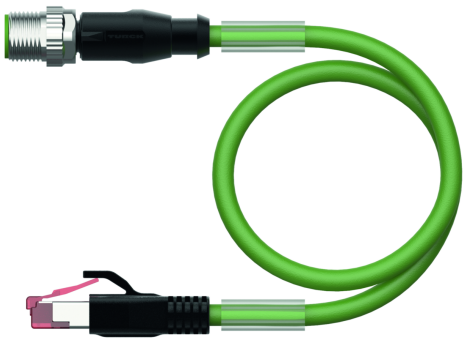
RSSD-RJ45S-4414-0.5M

Industrial Ethernet Cable
Extension Cable





Type designation	RSSD-RJ45S-4414-0.5M
Ident-No.	6935274

Technical data

Electrical data	
Current	3 A
Rated voltage	42 V
Nom. capacitance	51 pF/m
Nom. impedance	100 Ω (1MHZ)
Test voltage	700 V
Interfaces	
Network protocol	Ethernet
Mechanical data	
Bending radius (stationary installation)	≥15 x Ø
Bending cycles	≥5 Mio.
Torsional stress	±30 °/m
Torsion cycles	max. 100,000
Bending radius	Ø70 mm
Connector A	
Mechanical lifespan	> 100 Mating cycles
Connector A	Male, M12 x 1, Straight, D-coded
Number of Pins	4
Contacts	Metal, CuZn, Gold-plated

Features

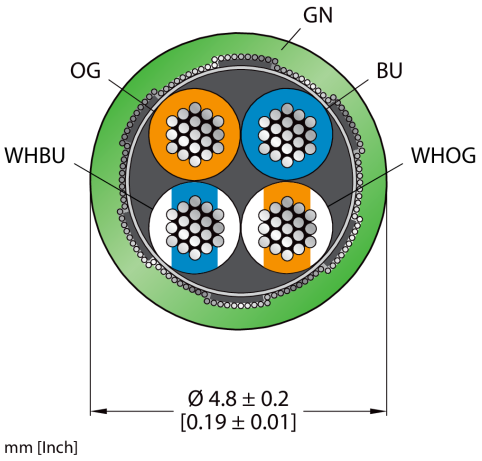
- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shield: Aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV-resistant
- Oil-resistant acc. to IEC 60811-2-1 and 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
- RJ45 male connector, straight, 4-pin
- M12 male connector, straight, D-coded
- Cable length: 0.5 m

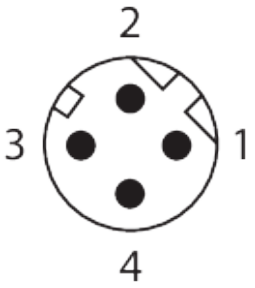
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Technical data

Contact carriers	Plastic, PA, UL 94, Black
Connector body	Plastic, TPU, UL 94, Black
Coupling nut/screw	Brass, GD-Zn, Nickel-plated
Pollution degree	3/2
Protection class	IP67, Only in screwed condition
Connector B	
Mechanical lifespan	> 100 Mating cycles
Connector B	Male, RJ45, Straight
Number of pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PC
Connector body	Plastic, TPU, UL 94
Pollution degree	3/2
Protection class	IP20
Cable	
Cable type	4414
Cable diameter	4,8 mm ±0.30
Cable length	0,5 m
Cable jacket	PUR, Green
Overall shield	Aluminum foil, tinned copper wire
Core insulation	PP
Core cross-section	4 x 0,15 mm²
Arrangement of strands	19 x 0,102 mm
Core colors	WHOG, WHBU, BU, OG
Ambient conditions	
Ambient temperature (mobile)	-25...+80 °C
Ambient temperature (fixed)	-40...+80 °C
Tests/approvals	
Approvals	cULus
Other properties	
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

Cable Cross-Section

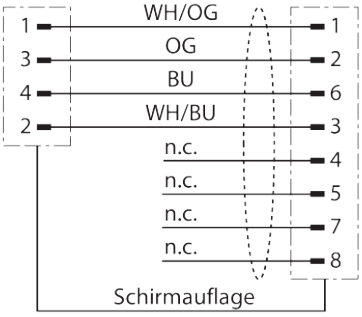






1 = WH/OG (TX +)
2 = OG (TX –)
3 = WH/BU (RX +)
4 = n.c.
5 = n.c.
6 = BU (RX –)
7 = n.c.
8 = n.c.

Circuit Diagram



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Technical data

Oil-resistant	yes
Flame-retardant	yes
Comments	
Packaging unit	1

Mounting accessories

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)

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