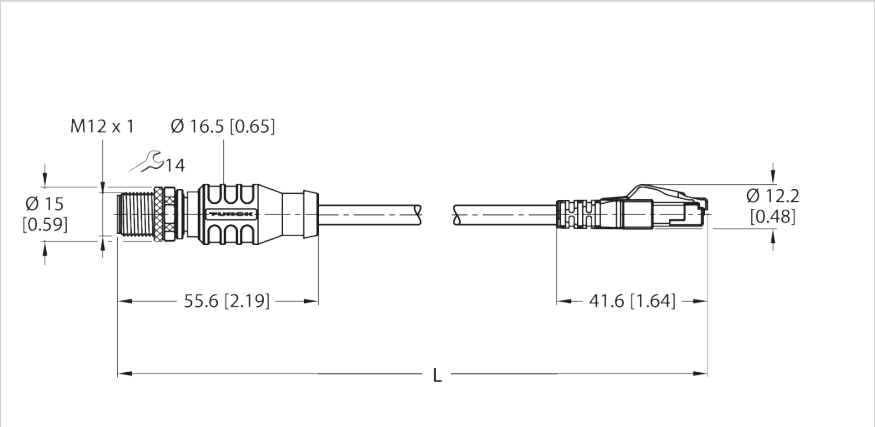
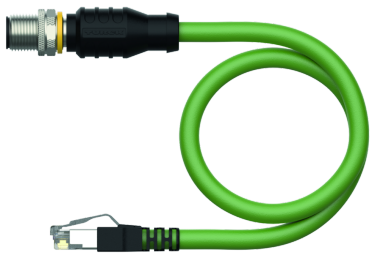
RSSD-RJ45S-4422-3M

Industrial Ethernet Cable
Extension Cable





Type designation	RSSD-RJ45S-4422-3M
Ident-No.	6635900

Technical data

Electrical data	
Current	1,5 A
Rated voltage	42 V_{DC}
DC resistance (loop)	120 Ω/km
Nom. capacitance	50 pF/m
Nom. impedance	100 Ω (1MHZ)
Test voltage	2000 V
Interfaces	
Network protocol	Ethernet
Mechanical data	
Bending radius (stationary installation)	≥5 x Ø
Bending radius (flexible use)	≥15 x Ø
Bending cycles	≥5 Mio.
Torsional stress	±180 °/m
Torsion cycles	max. 100,000
Bending radius	Ø200 mm
Connector A	
Mechanical lifespan	> 100 Mating cycles
Connector A	Male, M12 x 1, Straight, D-coded

Features

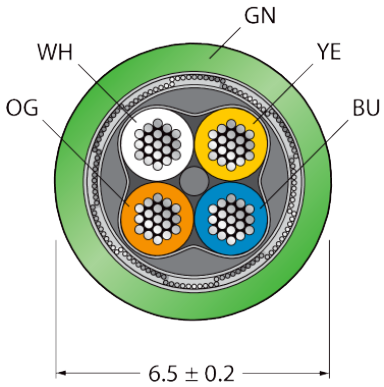
- M12 male connector, straight, 4-pin
- RJ45 male connector, straight, 4-pin
- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL FT2, UN/ECE R118
- RoHS compliant
- PNO compliant
  - Cable length: 3.0 m

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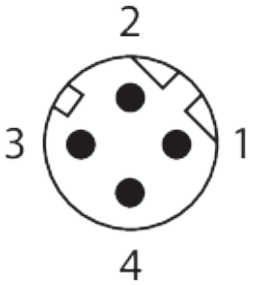
Technical data

Number of Pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Pollution degree	3
Protection class	IP67, Only in screwed condition
Connector B	
Mechanical lifespan	> 500 Mating cycles
Connector B	Male, RJ45, Straight
Number of pins	4
Contacts	Metal, CuSn, Gold-plated
Contact carriers	Plastic, PC, Black
Connector body	Plastic, TPU, Black
Protection class	IP20
Cable	
Cable diameter	6,5 mm ±0.20
Cable length	3 m
Cable jacket	PUR, Green
Overall shield	Aluminum foil, tinned copper wire
Core insulation	TPE-O
Core cross-section	4 x 0,32 mm²
Arrangement of strands	7 x 0,25 mm
Core colors	WH, YE, BU, OG
Ambient conditions	
Ambient temperature (mobile)	-30...+80 °C
Ambient temperature (fixed)	-40...+80 °C
Tests/approvals	
Approvals	UL Listed
Other properties	
Qualified for drag chain use	yes
Halogen-free	yes
PVC-free	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes
Comments	

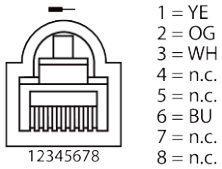
Cable Cross-Section



Contact assignment

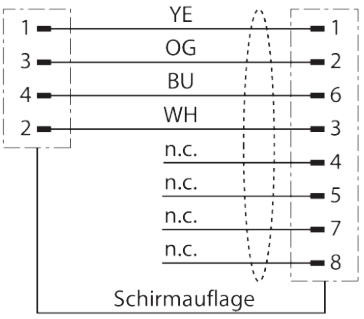


Contact assignment



1 = YE
2 = OG
3 = WH
4 = n.c.
5 = n.c.
6 = BU
7 = n.c.
8 = n.c.

Circuit Diagram



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Technical data

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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