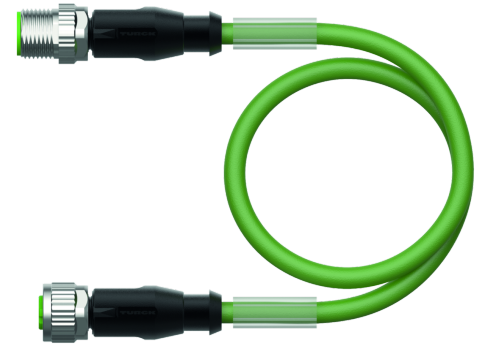
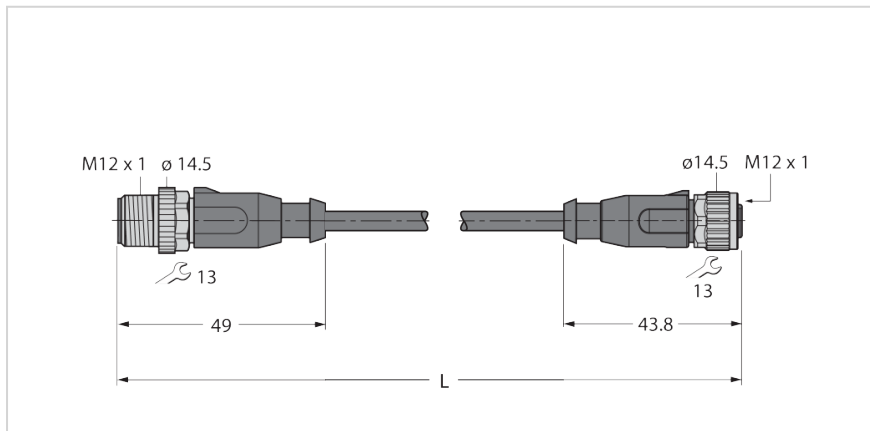


RSSD-RKSD-4416-10M

Industrial Ethernet/PROFINET Cable Connection Cable



Type designation	RSSD-RKSD-4416-10M
Ident-No.	100002347

Technical data

Electrical data	
Current	3 A
Rated voltage	48 V
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	≥3 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

- 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 UL2556 VW1
- Approval: UL
- RoHS compliant
- PNO compliant
- M12 female connector, straight, D-coded
- M12 male connector, straight, D-coded
- Cable length: 10 m

Technical data

Number of Pins	4
Contacts	Metal, CuZn, Gold-plated
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	Female, M12 x 1, Straight, D-coded
Number of pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PA, UL 94, Black
Connector body	Plastic, TPU, UL 94, Black
Coupling nut/retaining screw	Brass, GD-Zn, Nickel-plated
Seal	Plastic, FPM/FKM
Tightening torque	0.4...0,6 Nm
Pollution degree	3/2
Protection class	IP67, Only when screwed together

Cable

Cable diameter	6,5 mm ±0.20
Cable length	10 m
Cable jacket	PUR, Green
Overall shield	Aluminum foil, tinned copper wire
Core insulation	PE
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)	-20...+60 °C
Ambient temperature (fixed)	-50...+70 °C

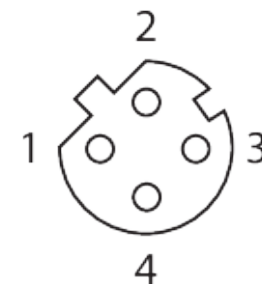
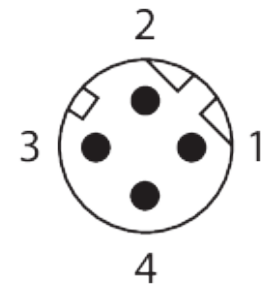
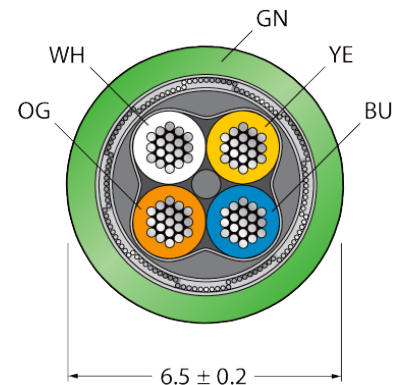
Tests/approvals

Approvals	UL Listed
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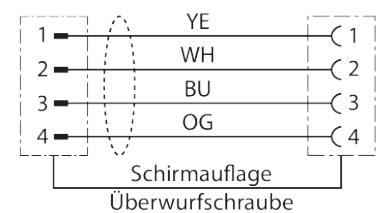
Other properties

Qualified for drag chain use	yes
Halogen-free	yes
PVC-free	yes

Cable Cross-Section



Circuit Diagram



Technical data

UV resistance	yes
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)	