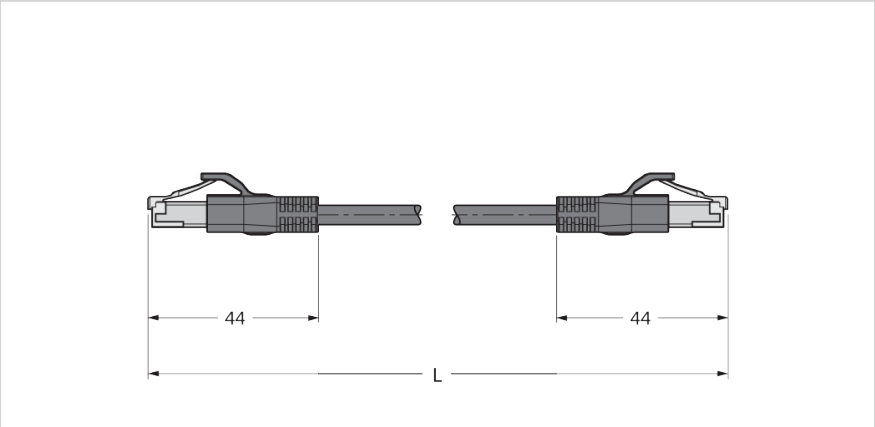
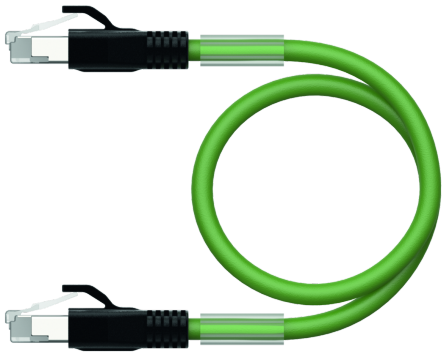
RJ45S-RJ45S-4416-35M

Industrial Ethernet/PROFINET Cable
Extension Cable





Type designation	RJ45S-RJ45S-4416-35M
Ident-No.	100000160

Technical data

Electrical data	
Current	1,5 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, RJ45, Straight

Features

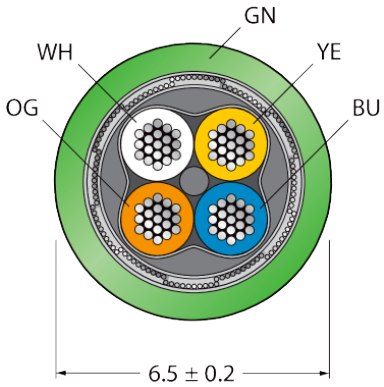
- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL2556 VW1
- Approval: UL
- RoHS compliant
- PNO compliant
  - RJ45 male connector, straight, 4-pin
  - RJ45 male connector, straight, 4-pin
  - Cable length: 35 m

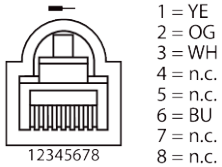
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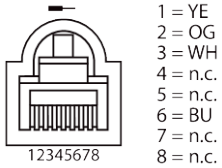
Technical data

Number of Pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PC
Connector body	Plastic, TPU, Black
Pollution degree	3/2
Protection class	IP20
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 diameter	6,5 mm ±0.20
Cable length	35 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
Other properties	
Qualified for drag chain use	yes
Halogen-free	yes
PVC-free	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes
Comments	

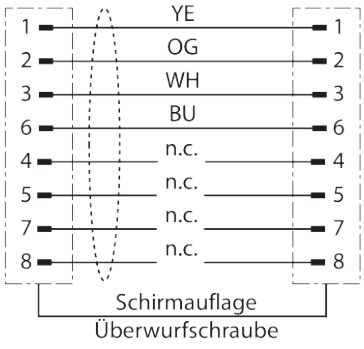
Cable Cross-Section







Circuit Diagram



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Technical data

Packaging unit	1

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