

Overview

- RJ45, male, 4-poles; PVC, 500 cm; RJ45, male, 4-poles
- Dragchain capable; suitable for robotics $\pm 180^\circ/\text{m}$, CAT5, 100 Mbit/s
- Head A: IP20; Head B: IP20
- Halogen free



Technical data

Side A

Head A: Connection	RJ45
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: No. of poles	4
Head A: LED	No
Head A: Body color	Black
Labeling sleeve side A	Yes

Side B

Head B: Connection	RJ45
Head B: Angle cable outlet	0°
Head B: Gender	Male
Head B: No. of poles	4
Head B: LED	No
Head B: Body color	Black
Labeling sleeve side B	Yes

Cables

Cable length	500 cm
Shielded	Yes
Conductor structure	7 × 0.254 mm
AWG	22
External sheath: Material	PVC
External sheath: Color	Green
Cable diameter	6.5 mm $\pm$ 5%
Wire cross section	0.34 mm ²

Cable

Operating voltage (only UL listed)	30 V DC
Shielded	Yes
Shielding: Covering	min. 85 %
Transmission rate	100 MBit/s
Bending radius (fixed)	0
Number and diameter of wires	4x0,34
Cable length	500 cm
Acceleration (C-track)	max. 2 m/s ²
AWG	22
Bending radius (fixed)	min. 5 × outer diameter
Bending radius (mobile)	min. 15 × outer diameter
Cable weight	approx. 73.7 g/m
Wire 1: Color	WH

Cable

Wire 2: Color	YE
Wire 3: Color	BU
Wire 4: Color	OG
Conductor structure	7 × 0.254 mm
Cable diameter	6.5 mm $\pm$ 5%
Conductor: Material	Copper, bare
External sheath: Material	PVC
Insulation: Material	PE
Shielding: Material	Copper, tinned
No. of bending cycles (C-track)	max. 2000000 Cycles
Nominal voltage	300 V DC
Paired stranding	No
Single wire diameter	0.254 mm
Total stranding	4 wires strand around core-filler
Traversing path (horizontal)	max. 5 m
Wire cross section	0.34 mm ²
Wire processing	No
External sheath: Color	Green
Protocols	CAT5e

Electrical data

Operating voltage	max. 60 V DC 0
Operating voltage (only UL listed)	30 V DC
Nominal voltage	300 V DC
Operating current per contact	max. 1.5 A

Mechanical data

Head A: Degree of protection	IP20
Head B: Degree of protection	IP20
Bending radius (mobile)	min. 15 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	max. 2000000 Cycles
Acceleration (C-track)	max. 2 m/s ²

Environmental conditions

Temperature range (mobile)	- 25 ...+ 70 °C
Temperature range (fixed)	- 25 ...+ 80 °C

Technical data

Environmental conditions

Dragchain capable	Yes
Head A: Chemical resistance	No
Head A: Flame resistance	Conform UL 1581 §1090, §1100 (FT2), IEC 60332-1-2 Std.
Head A: Oil resistance	Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Head B: Chemical resistance	No
Head B: Flame resistance	Conform UL 1581 §1090, §1100 (FT2), IEC 60332-1-2 Std.

Environmental conditions

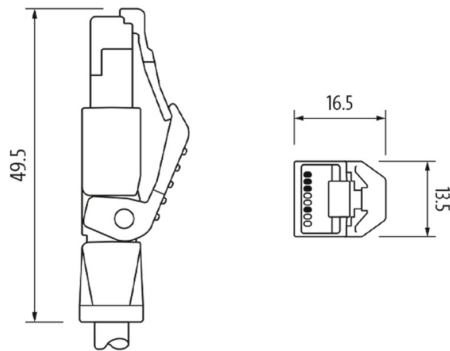
Head B: Oil resistance	Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.
Head B: Acid and alkali resistant	No
Head B: Pollution degree	3
Cable: Flame resistance	Conform UL 1581 §1060 (FT1), §1061 (cable flame), §1080 (VW-1), IEC 60332-1-2 Std.
Cable: Oil resistance	Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.
Cable: Silicone-free	Yes

Commercial data

Eclass	27061801
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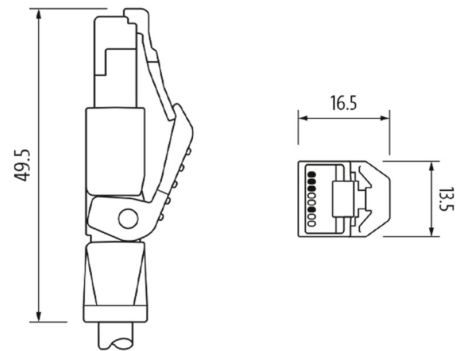
Side A

Technical drawing

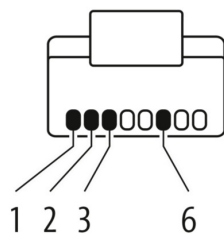


Side B

Technical drawing



Coding



Coding

