

Overview

- RJ45, male, 4-poles; PUR, 1500 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
Head A: Contact layout pin 1	YE
Head A: Contact layout pin 2	OG
Head A: Contact layout pin 3	WH
Head A: Contact layout pin 6	BU

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
Head B: Contact layout pin 1	YE
Head B: Contact layout pin 2	OG
Head B: Contact layout pin 3	WH
Head B: Contact layout pin 6	BU

Cables

Cable length	1500 cm
Shielded	Yes
Conductor structure	7 × 0.254 mm
AWG	22
External sheath: Material	PUR
External sheath: Color	Green
Cable diameter	6.7 mm $\pm$ 5%
Wire cross section	0.34 mm ²
Cable: Halogen free	Yes

Cable

Operating voltage (only UL listed)	30 V AC/DC
Shielded	Yes
Shielding: Covering	min. 85 %
Transmission rate	100 Mbit/s
Bending radius (fixed)	33.5 mm
Number of wires	4
Number and diameter of wires	4x0.34
Cable length	1500 cm
Acceleration (C-track)	max. 2 m/s ²
AWG	22
Bending radius (fixed)	min. 5 × outer diameter
Bending radius (mobile)	min. 12 × outer diameter
Cable weight	approx. 69.3 g/m
Conductor structure	7 × 0.254 mm
Cable diameter	6.7 mm $\pm$ 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PE
Shielding: Material	Copper, tinned
No. of bending cycles (C-track)	max. 3000000 Cycles
Nominal voltage	300 V DC
No. of torsion cycles	max. 1000000 Cycles
Paired stranding	No
Single wire diameter	0.254 mm
Torsion stress in °	$\pm 180^\circ/\text{m}$
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 AC/DC
Nominal voltage	300 V DC
Operating current per contact	max. 1.5 A

Technical data

Mechanical data

Head A: Degree of protection	IP20
Head B: Degree of protection	IP20
Bending radius (mobile)	min. 12 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	max. 3000000 Cycles
Torsion stress in °	± 180 °/m
No. of torsion cycles	max. 1000000 Cycles
Acceleration (C-track)	max. 2 m/s ²

Environmental conditions

Temperature range (mobile)	- 25 ... + 70 °C
Temperature range (fixed)	- 25 ... + 85 °C
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.

Environmental conditions

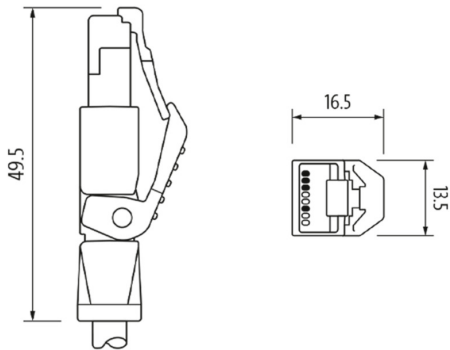
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Head B: Chemical resistance	No
Head B: Flame resistance	Conform UL 1581 §1090, §1100 (FT2), IEC 60332-1-2 Std.
Head B: Oil resistance	Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.
Head B: Acid and alkali resistant	No
Head B: Pollution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

Commercial data

Eclass	27061801
--------	----------

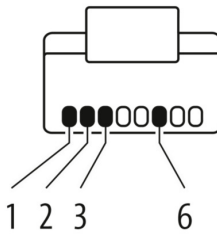
Side A

Technical drawing



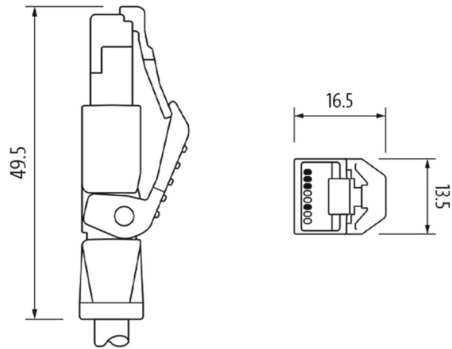
Side A

Coding



Side B

Technical drawing



Coding

