

Overview

- RJ45, male, 4-poles; PUR, 100 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	100 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

Operating voltage (only UL listed)	30 V 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	100 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

Cable

Wire 1: Color	WH
Wire 2: Color	YE
Wire 3: Color	BU
Wire 4: Color	OG
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 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. 12 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	max. 3000000 Cycles
Torsion stress in °	$\pm 180^\circ/\text{m}$
No. of torsion cycles	max. 1000000 Cycles

Technical data

Mechanical data

Acceleration (C-track) max. 2 m/s²

Environmental conditions

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

Temperature range (fixed) - 25 ...+ 80 °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.

Head A: Acid and alkali resistant No

Head A: Pollution degree 3

Head B: Chemical resistance No

Environmental conditions

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.

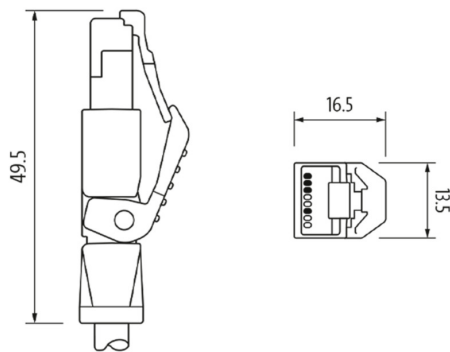
Cable: Silicone-free Yes

Commercial data

Eclass 27061801

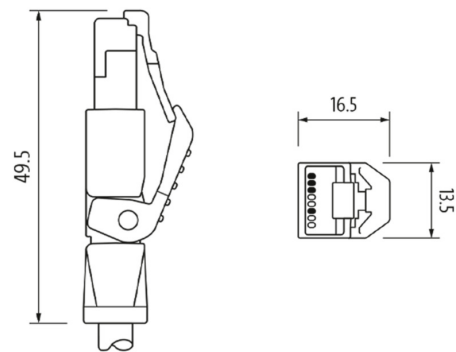
Side A

Technical drawing

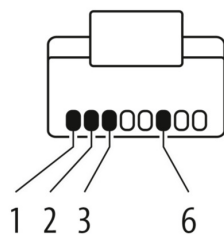


Side B

Technical drawing



Coding



Coding

