

Overview

- M12, female, X-coded, 8-poles; PUR, 1000 cm, shielded; RJ45, male, X-coded, 8-poles
- Dragchain capable
- Head A: IP66K, IP67; Head B: IP20
- Cable: good resistance against flames, oils
- Halogen free



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Female
Head A: Coding	X
Head A: No. of poles	8
Head A: LED	No
Head A: Width across flats	SW13
Head A: Tightening torque	0.6 Nm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni
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	8
Head B: LED	No
Head B: Body color	Black
Labeling sleeve side B	Yes

Cables

Cable length	1000 cm
Length tolerance	± 15 cm
Shielded	Yes
Conductor structure	7 × 0.203 mm
AWG	24
External sheath: Material	PUR
External sheath: Color	Green
Cable diameter	8.9 mm ± 5%
Wire cross section	0.227 mm²

Electrical data

Operating voltage	max. 60 V DC
Nominal voltage	300 V
Contact resistance	max. 30 mOhm

Electrical data

Operating current per contact	max. 0.5 A
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Mechanical data

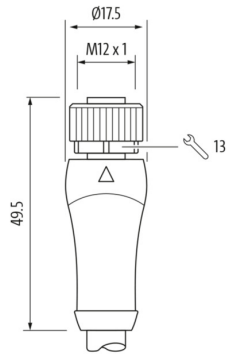
Head A: Degree of protection	IP66K, IP67
Head B: Degree of protection	IP20
Bending radius (mobile)	min. 15 × outer diameter
Bending radius (fixed)	min. 8 × outer diameter
No. of bending cycles (C-track)	approx. 200000 Cycles
Acceleration (C-track)	max. 4 m/s²
Travel speed (C-track)	max. 3 m/s

Environmental conditions

Temperature range (mobile)	- 25 ...+ 70 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Dragchain capable	Yes
Head A: Chemical resistance	No
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Head B: Chemical resistance	No
Head B: Flame resistance	HB (UL 94)
Head B: Pollution degree	3
Cable: Flame resistance	Conform UL 1581 §1090, §1100 (FT2); 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

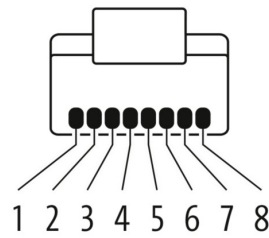
Side A

Technical drawing

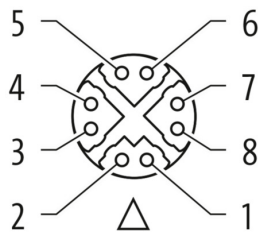


Side B

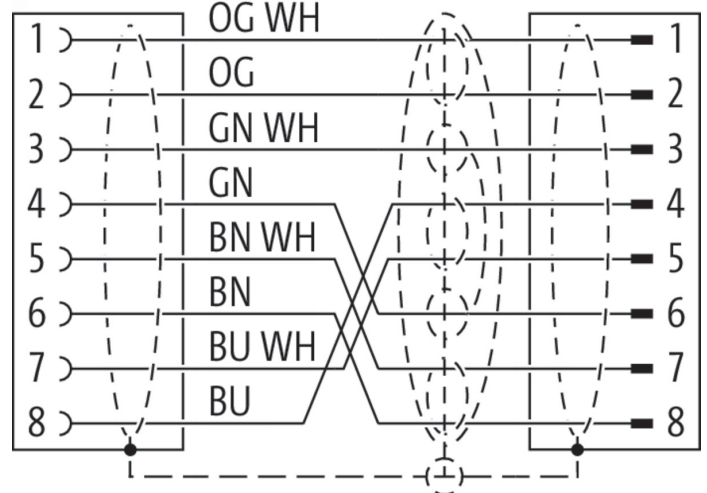
Coding



Coding

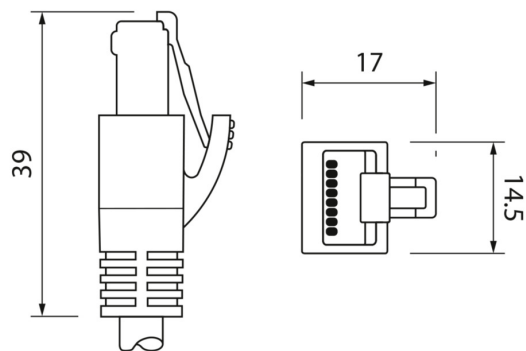


Connection diagram



Side B

Technical drawing



Dimension drawing

