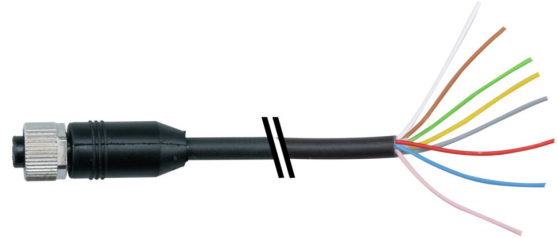


Overview

- M12, female, A-coded; 8-poles; PUR, 500 cm, open cable end
- Dragchain capable, suitable for robotics $\pm 180^\circ/\text{m}$
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames and oils
- Halogen free



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Female
Head A: Coding	A
Head A: No. of poles	8
Head A: LED	No
Head A: Width across flats	AF13
Head A: Tightening torque	0.6 Nm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni
Head A: Body color	Black
Head A: Gasket material	FKM
Labeling sleeve side A	Yes

Side B

Head B: Connection	Open-ended wires
Labeling sleeve side B	Yes

Cables

Cable length	500 cm
Stripping length	60 mm
Shielded	No
Conductor structure	42 × 0.1 mm
AWG	24
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	5.8 mm ± 5%
Wire cross section	0.25 mm ²

Cable

Cable: Temperature range (mobile)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C

Cable

Shielded	No
Number of wires	8
Number and diameter of wires	8x0.25
Cable length	500 cm
Acceleration (C-track)	max. 10 m/s ²
AWG	24
Bending radius (fixed)	min. 5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
Cable type	3
Cable weight	approx. 58.3 g/m
Conductor structure	42 × 0.1 mm
Cable diameter	5.8 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
No. of bending cycles (C-track)	approx. 10000000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	2.5 kV 0
Torsion stress in °	± 180 °/m
Total stranding	8 wires strand around core-filler
Travel speed (C-track)	max. 3 m/s
Traversing path (horizontal)	max. 10 m
Wire cross section	0.25 mm ²
Wire processing	No

Technical data
Cable

External sheath: Color Black

Electrical data

Operating voltage max. 30 V AC/DC

Nominal voltage 300 V

Operating current per contact max. 2 A

Mechanical data

Head A: Degree of protection IP65, IP66K, IP67

Bending radius (mobile) min. 10 × outer diameter

Bending radius (fixed) min. 5 × outer diameter

No. of bending cycles (C-track) approx. 10000000 Cycles

Torsion speed max. 35 cycles/min

Torsion stress in ° ± 180 °/m

No. of torsion cycles approx. 2000000 Cycles

 Acceleration (C-track) max. 10 m/s²

Travel speed (C-track) max. 3 m/s

Environmental conditions

Cable: Temperature range (fixed) - 40 ...+ 80 °C

Environmental conditions

Dragchain capable Yes

Head A: Chemical resistance No

Head A: Flame resistance HB (UL 94)

Head A: Oil resistance Good resistance to ASTM 1 oil and mineral oils. Limited resistance to hydraulic oils. If other oils are used, the resistance must be checked in relation to the application.

Head A: Acid and alkali resistant No

Head A: Pollution degree 3

Cable: Chemical resistance Good (DIN EN 60811-404)

Cable: Flame resistance Conform UL 1581 §1090 (H)

Cable: Oil resistance Good (DIN EN 60811-404)

Cable: Silicone-free Yes

Commercial data

Eclass 27061801