

Overview

- M8, female, A-coded, 8-poles; PUR, shielded, 2500 cm, free cable end
- Dragchain capable
- Head A: IP65, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

Side A

Head A: Connection	M8
Head A: Angle cable outlet	0°
Head A: Gender	Female
Head A: Coding	A
Head A: No. of poles	8
Head A: Tightening torque	0.2 Nm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni
Head A: Gasket material	NBR

Side B

Head B: Connection	Open-ended wires
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Cables

Cable length	2500 cm
Length tolerance	± 7.5 cm
Stripping length	20 mm
Shielded	Yes
Conductor structure	18 × 0.1 mm
AWG	26
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	5.9 mm ± 5%
Wire cross section	0.14 mm ²
Cable: Halogen free	Yes

Cable

Operating voltage (only UL listed)	30 V AC/DC
Shielded	Yes
Shielding: Covering	85 %
Bending radius (fixed)	29.5 mm
Number of wires	8
Number and diameter of wires	8x0.14
Length tolerance	± 7.5 cm
Cable length	2500 cm
Acceleration (C-track)	10 m/s ²
AWG	26
Bending radius (fixed)	min. 5 × outer diameter

Cable

Bending radius (mobile)	min. 10 × outer diameter
Conductor structure	18 × 0.1 mm
Cable diameter	5.9 mm ± 5%
Insulation resistance	0
Conductor: Material	CuSn
External sheath: Material	PUR
Insulation: Material	PP
Shielding: Material	Copper, tinned
No. of bending cycles (C-track)	approx. 2000000 Cycles
Operating current per wire	1.5 A
Single wire diameter	1 mm
Travel speed (C-track)	approx. 3 m/s
Wire cross section	0.14 mm ²
Wire diameter incl. isolation	1.05 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage	max. 30 V
Operating voltage (only UL listed)	30 V AC/DC
Operating current per contact	1.5 A

Mechanical data

Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	approx. 2000000 Cycles
Acceleration (C-track)	10 m/s ²
Travel speed (C-track)	approx. 3 m/s

Environmental conditions

Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 85 °C
Dragchain capable	Yes
Head A: Pollution degree	3
Cable: Flame resistance	HB (UL 94)
Cable: UV resistance	Yes

Side A

Coding



M8	wire color	M8	wire color
1:	WH	5:	GY
2:	BN	6:	PK
3:	GN	7:	BU
4:	YE	8:	RD