

Overview

- M12, male, A-coded; 8-poles; TPE-S, 500 cm, M12, female, A-coded
- Dragchain capable; suitable for robotics $\pm 180^\circ/\text{m}$; suitable for food & beverage
- Head A: IP65, IP68, IP69K
- Halogen free



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: Coding	A
Head A: No. of poles	8
Head A: LED	No
Head A: Width across flats	AF14
Head A: Tightening torque	0.6 Nm
Head A: Knurled nut material	Stainless steel (V4A)
Head A: Body color	Blue
Labeling sleeve side A	No
Head A: Contact layout pin 1	WH
Head A: Contact layout pin 2	BN
Head A: Contact layout pin 3	GN
Head A: Contact layout pin 4	YE
Head A: Contact layout pin 5	GY
Head A: Contact layout pin 6	PK
Head A: Contact layout pin 7	BU
Head A: Contact layout pin 8	RD

Side B

Head B: Connection	M12
Head B: Angle cable outlet	0°
Head B: Gender	Female
Head B: Coding	A
Head B: No. of poles	8
Head B: LED	No
Head B: Width across flats	AF14
Head B: Tightening torque	0.6 Nm
Head B: Knurled nut material	Stainless steel (V4A)
Head B: Body color	Blue
Head B: Gasket material	EPDM

Side B

Labeling sleeve side B	No
Head B: Contact layout pin 1	WH
Head B: Contact layout pin 2	BN
Head B: Contact layout pin 3	GN
Head B: Contact layout pin 4	YE
Head B: Contact layout pin 5	GY
Head B: Contact layout pin 6	PK
Head B: Contact layout pin 7	BU
Head B: Contact layout pin 8	RD

Cables

Cable length	500 cm
Shielded	No
AWG	24
External sheath: Material	TPE-S
External sheath: Color	Blue
Cable diameter	6.3 mm $\pm$ 5%
Wire cross section	0.25 mm ²
Cable: Halogen free	Yes

Cable

Operating voltage (only UL listed)	30 V AC/DC
Shielded	No
Bending radius (fixed)	31.5 mm
Number of wires	8
Number and diameter of wires	8x0.25
Cable length	500 cm
AWG	24
Torsion speed	max. 35 cycles/min
Cable diameter	6.3 mm $\pm$ 5%
Conductor: Material	Copper, bare
External sheath: Material	TPE-S
Insulation: Material	PP

Technical data
Cable

Paired stranding	No
Torsion stress in °	± 180 °/m
Total stranding	8 wires strand around core-filler
Wire cross section	0.25 mm²
Wire processing	No
External sheath: Color	Blue

Electrical data

Operating voltage (only UL listed)	30 V AC/DC
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Mechanical data

Head A: Degree of protection	IP65, IP68, IP69K
Head B: Degree of protection	IP65, IP68, IP69K
Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m

Environmental conditions

Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 85 °C
Dragchain capable	Yes
Head A: Chemical resistance	Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application.
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.

Environmental conditions

Head A: Acid and alkali resistant	Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application.
Head A: Pollution degree	3
Head B: Chemical resistance	Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application.
Head B: Flame resistance	HB (UL 94)
Head B: 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 B: Acid and alkali resistant	Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application.
Head B: Pollution degree	3
Cable: Acid and alkali resistant	Good (analogue FDA 21 178.3620, 178.3297, 177.1520)
Cable: Silicone-free	Yes
Cable: UV resistance	Yes

Commercial data

Eclass	27060311
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