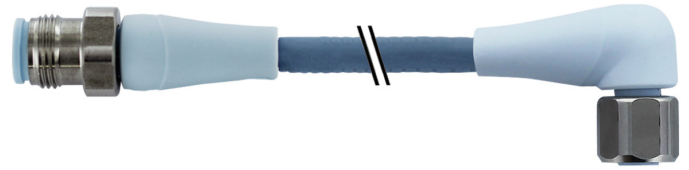


Overview

- M12, male, A-coded, 5-poles; PUR, 1500 cm; M12, female, 90°, A-coded, 5-poles
- 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	Male
Head A: Coding	A
Head A: No. of poles	5
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	BN
Head A: Contact layout pin 2	WH
Head A: Contact layout pin 3	BU
Head A: Contact layout pin 4	BK
Head A: Contact layout pin 5	GY

Side B

Head B: Connection	M12
Head B: Angle cable outlet	90°
Head B: Gender	Female
Head B: Coding	A
Head B: No. of poles	5
Head B: LED	No
Head B: Width across flats	AF14
Head B: Knurled nut material	Stainless steel (V4A)
Head B: Body color	Blue
Head B: Gasket material	EPDM
Labeling sleeve side B	No
Head B: Contact layout pin 1	BN
Head B: Contact layout pin 2	WH
Head B: Contact layout pin 3	BU

Side B

Head B: Contact layout pin 4	BK
Head B: Contact layout pin 5	GY

Cables

Cable length	1500 cm
Shielded	No
AWG	22
External sheath: Material	TPE-S
External sheath: Color	Blue
Cable diameter	4.7 mm $\pm$ 5%
Wire cross section	0.34 mm ²
Cable: Halogen free	Yes

Cable

Operating voltage (only UL listed)	30 V AC/DC
Shielded	No
Bending radius (fixed)	23.5 mm
Number of wires	5
Number and diameter of wires	5x0.34
Cable length	1500 cm
AWG	22
Torsion speed	max. 35 cycles/min
Wire 1: Color	BN
Wire 2: Color	BK
Wire 3: Color	BU
Wire 4: Color	WH
Wire 5: Color	GY
Cable diameter	4.7 mm $\pm$ 5%
Conductor: Material	Copper, bare
External sheath: Material	TPE-S
Insulation: Material	PP
Paired stranding	No
Torsion stress in °	$\pm 180^\circ/\text{m}$
Total stranding	5 wires strand around core-filler
Wire cross section	0.34 mm ²
Wire processing	No
External sheath: Color	Blue

Technical data
Electrical data

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

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.

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.

Environmental conditions

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