

**Vue d'ensemble**

- M12, male, A-coded, 4-poles; PUR, 1000 cm; M12, female, 90°, A-coded, 4-poles
- Dragchain capable, suitable for robotics  $\pm 180$  °/m
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames and oils
- Halogen free



**Caractéristiques techniques**

Side A		Cable	
Head A: Connection	M12	Number and diameter of wires	5x0,34
Head A: Angle cable outlet	0°	Cable length	1000 cm
Head A: Gender	Male	AWG	22
Head A: Coding	A	Torsion speed	max. 35 cycles/min
Head A: No. of poles	5	Wire 1: Color	BN
Head A: LED	No	Wire 2: Color	BK
Head A: Width across flats	AF14	Wire 3: Color	BU
Head A: Tightening torque	0,6 Nm	Wire 4: Color	WH
Head A: Knurled nut material	Stainless steel (V4A)	Wire 5: Color	GY
Head A: Body color	Blue	Cable diameter	4,7 mm $\pm$ 5%
Labeling sleeve side A	No	Conductor: Material	Copper, bare
Side B		External sheath: Material	TPE-S
Head B: Connection	M12	Insulation: Material	PP
Head B: Angle cable outlet	90°	Paired stranding	No
Head B: Gender	Female	Torsion stress in °	$\pm 180$ °/m
Head B: Coding	A	Total stranding	5 wires strand around core-filler
Head B: No. of poles	5	Wire cross section	0,34 mm <sup>2</sup>
Head B: LED	No	Wire processing	No
Head B: Width across flats	AF14	External sheath: Color	Blue
Head B: Knurled nut material	Stainless steel (V4A)	Données électriques	
Head B: Body color	Blue	Operating voltage (only UL listed)	30 V AC/DC
Head B: Gasket material	EPDM	Données mécaniques	
Labeling sleeve side B	No	Head A: Degree of protection	IP65, IP68, IP69K
Cables		Head B: Degree of protection	IP65, IP68, IP69K
Cable length	1000 cm	Torsion speed	max. 35 cycles/min
Shielded	No	Torsion stress in °	$\pm 180$ °/m
AWG	22	Conditions ambiantes	
External sheath: Material	TPE-S	Temperature range (mobile)	- 25 ...+ 80 °C
External sheath: Color	Blue	Temperature range (fixed)	- 25 ...+ 85 °C
Cable diameter	4,7 mm $\pm$ 5%	Dragchain capable	Oui
Wire cross section	0,34 mm <sup>2</sup>	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.
Cable		Head A: Flame resistance	HB (UL 94)
Operating voltage (only UL listed)	30 V AC/DC		
Shielded	No		
Bending radius (fixed)	23,5 mm		
Number of wires	5		

**Caractéristiques techniques**
**Conditions ambiantes**

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.
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.

**Conditions ambiantes**

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	Oui

**Commercial data**

Eclass	27060311
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