

**Overview**

- M12, male, A-coded, 4-poles; PUR, 2000 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



**Technical data**

Side A		Cables	
Head A: Connection	M12	Wire cross section	0.34 mm <sup>2</sup>
Head A: Angle cable outlet	0°	<b>Cable</b>	
Head A: Gender	Male	Shielded	No
Head A: Coding	A	Cable length	2000 cm
Head A: No. of poles	5	AWG	22
Head A: LED	No	Torsion speed	max. 35 cycles/min
Head A: Width across flats	AF13	Cable type	3
Head A: Tightening torque	0.6 Nm	Wire 1: Color	BN
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Wire 2: Color	BK
Head A: Body color	Black	Wire 3: Color	BU
Labeling sleeve side A	Yes	Wire 4: Color	WH
<b>Side B</b>		Wire 5: Color	GY
Head B: Connection	M12	Conductor: Material	Copper, bare
Head B: Angle cable outlet	90°	External sheath: Material	PUR
Head B: Gender	Female	Insulation: Material	PP
Head B: Coding	A	Paired stranding	No
Head B: No. of poles	5	Torsion stress in °	$\pm 180$ °/m
Head B: LED	No	Total stranding	5 wires strand around core-filler
Head B: Width across flats	AF13	Wire cross section	0.34 mm <sup>2</sup>
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni	Wire processing	No
Head B: Body color	Black	External sheath: Color	Black
Head B: Gasket material	FKM	<b>Mechanical data</b>	
Labeling sleeve side B	Yes	Head A: Degree of protection	IP65, IP66K, IP67
<b>Cables</b>		Head B: Degree of protection	IP65, IP66K, IP67
Cable length	2000 cm	Torsion speed	max. 35 cycles/min
Shielded	No	Torsion stress in °	$\pm 180$ °/m
AWG	22	<b>Environmental conditions</b>	
External sheath: Material	PUR	Dragchain capable	Yes
External sheath: Color	Black		

**Technical data**
**Environmental conditions**

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
Head B: Chemical resistance	No
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.

**Environmental conditions**

Head B: Acid and alkali resistant	No
Head B: 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	27060311
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