

**Overview**

- M12, male, A-coded, 5-poles; PUR, 1000 cm; M12, female, 90°, A-coded, 5-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		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	Cable type	3
Head A: LED	No	Cable diameter	4.5 mm $\pm$ 5%
Head A: Width across flats	AF13	Conductor: Material	Copper, bare
Head A: Tightening torque	0.6 Nm	External sheath: Material	PUR
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Insulation: Material	PP
Head A: Body color	Black	Paired stranding	No
Labeling sleeve side A	Yes	Torsion stress in °	$\pm 180$ °/m
Side B		Total stranding	5 wires strand around core-filler
Head B: Connection	M12	Wire cross section	0.34 mm <sup>2</sup>
Head B: Angle cable outlet	90°	Wire processing	No
Head B: Gender	Female	External sheath: Color	Black
Head B: Coding	A	Electrical data	
Head B: No. of poles	5	Operating voltage (only UL listed)	30 V AC/DC
Head B: LED	No	Mechanical data	
Head B: Width across flats	AF13	Head A: Degree of protection	IP65, IP66K, IP67
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni	Head B: Degree of protection	IP65, IP66K, IP67
Head B: Body color	Black	Torsion speed	max. 35 cycles/min
Head B: Gasket material	FKM	Torsion stress in °	$\pm 180$ °/m
Labeling sleeve side B	Yes	Environmental conditions	
Cables		Temperature range (mobile)	- 25 ...+ 80 °C
Cable length	1000 cm	Temperature range (fixed)	- 25 ...+ 85 °C
Shielded	No	Dragchain capable	Yes
AWG	22	Head A: Chemical resistance	No
External sheath: Material	PUR	Head A: Flame resistance	HB (UL 94)
External sheath: Color	Black	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.
Cable diameter	4.5 mm $\pm$ 5%	Head A: Acid and alkali resistant	No
Wire cross section	0.34 mm <sup>2</sup>		
Cable			
Operating voltage (only UL listed)	30 V AC/DC		
Shielded	No		
Bending radius (fixed)	22.5 mm		
Number of wires	5		

## Technical data

### Environmental conditions

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.
Head B: Acid and alkali resistant	No

### Environmental conditions

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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