

Overview

- M12, female, A-coded; 3-poles; PUR, 500 cm, shielded, free cable end
- Dragchain capable
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

Side A		Cable	
Head A: Connection	M12	Length tolerance	± 7.5 cm
Head A: Angle cable outlet	90°	Cable length	500 cm
Head A: Gender	Female	Acceleration (C-track)	max. 5 m/s ²
Head A: Coding	A	AWG	22
Head A: No. of poles	3	Bending radius (fixed)	min. 5 × outer diameter
Head A: LED	No	Torsion speed	max. 35 cycles/min
Head A: Width across flats	AF13	Bending radius (mobile)	min. 10 × outer diameter
Head A: Tightening torque	0.6 Nm	Cable type	3
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Cable weight	approx. 44 g/m
Head A: Body color	Black	Wire 1: Color	BN
Head A: Gasket material	FKM	Wire 2: Color	BK
Labeling sleeve side A	Yes	Wire 3: Color	BU
Side B		Conductor structure	42 × 0.1 mm
Head B: Connection	Open-ended wires	Cable diameter	5 mm ± 5%
Labeling sleeve side B	Yes	Conductor: Material	Copper, bare
Cables		External sheath: Material	PUR
Cable length	500 cm	Insulation: Material	PP
Length tolerance	± 7.5 cm	Shielding: Material	Copper, tinned
Stripping length	20 mm	No. of bending cycles (C-track)	approx. 500000 Cycles
Shielded	Yes	Nominal voltage	300 V
Conductor structure	42 × 0.1 mm	No. of torsion cycles	approx. 200000 Cycles
AWG	22	Paired stranding	No
External sheath: Material	PUR	Single wire diameter	0.1 mm
External sheath: Color	Black	Cable: Test voltage	2 kV AC core-core ; 2 kV AC core-shield
Cable diameter	5 mm ± 5%	Torsion stress in °	± 30 °/m
Wire cross section	0.34 mm ²	Total stranding	3 wires strand
Cable		Travel speed (C-track)	max. 3.3 m/s
Cable: Temperature range (mobile)	- 25 ...+ 80 °C	Traversing path (horizontal)	max. 5 m
Cable: Temperature range (fixed)	- 40 ...+ 80 °C	Wire cross section	0.34 mm ²
Operating voltage (only UL listed)	30 V AC/DC	Wire processing	No
Shielded	Yes	Wire diameter incl. isolation	1.25 mm ± 5%
Shielding: Covering	approx. 80 %	External sheath: Color	Black
Bending radius (fixed)	25 mm	Electrical data	
Number of wires	3	Operating voltage	max. 60 V AC/DC
Number and diameter of wires	3x0,34	Operating voltage (only UL listed)	30 V AC/DC
		Nominal voltage	300 V
		Contact resistance	max. 30 mOhm

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Technical data

Electrical data

Operating current per contact max. 4 A

Mechanical data

Head A: Degree of protection IP65, IP66K, IP67

Bending radius (mobile) min. 10 × outer diameter

Bending radius (fixed) min. 5 × outer diameter

No. of bending cycles (C-track) approx. 5000000 Cycles

Torsion speed max. 35 cycles/min

Torsion stress in ° ± 30 °/m

No. of torsion cycles approx. 2000000 Cycles

Acceleration (C-track) max. 5 m/s²

Travel speed (C-track) max. 3.3 m/s

Environmental conditions

Temperature range (mobile) - 25 ...+ 80 °C

Temperature range (fixed) - 25 ...+ 80 °C

Environmental conditions

Cable: Temperature range (fixed) - 40 ...+ 80 °C

Dragchain capable Yes

Head A: Chemical resistance No

Head A: Flame resistance HB (UL 94)

Head A: Oil resistance ASTM 1 oil, mineral oils, limited to hydraulic oils

Head A: Acid and alkali resistant No

Head A: Pollution degree 3

Cable: Chemical resistance Good (DIN EN 60811-404)

Cable: Flame resistance Conform UL 1581 §1090 (H), CSA FT2, IEC 60332-2-2

Cable: Oil resistance Good (DIN EN 60811-404)

Cable: Silicone-free Yes

Commercial data

Eclass 27060311

Side A

Technical drawing

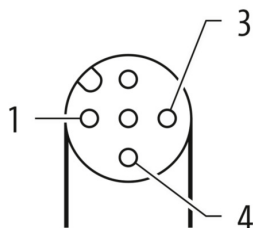


Side B

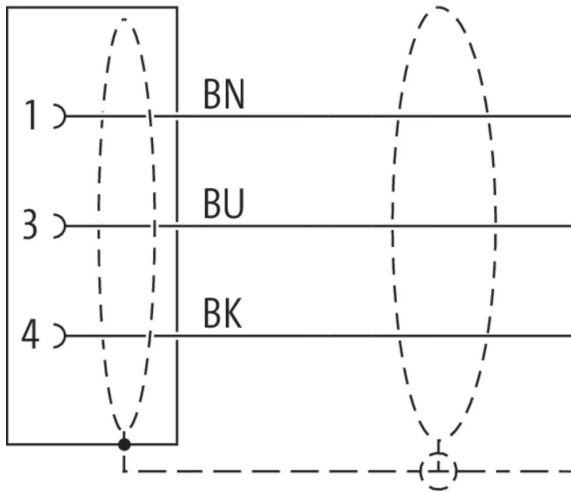
Technical drawing



Coding



Connection diagram



Dimension drawing

