

Overview

- M12, connector, A-coded, 5-pin; PUR, 1000 cm, free cable end
- Dragchain capable
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals 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	AF13
Head A: Tightening torque	0.6 Nm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni
Head A: Body color	Black
Labeling sleeve side A	Yes
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	Open-ended wires
--------------------	------------------

Cables

Cable length	1000 cm
Stripping length	20 mm
Shielded	No
Conductor structure	42 × 0.1 mm
AWG	22
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	4.8 mm ± 5%
Wire cross section	0.34 mm ²
Cable: Halogen free	Yes

Cable

External sheath: Shore hardness	90 ± 50 A
Cable: Temperature range (mobile)	- 25 ... + 80 °C

Cable

Cable: Temperature range (fixed)	- 40 ... + 80 °C
Operating voltage (only UL listed)	30 V AC/DC
Weight [conductor]	41.8 g/m
Shielded	No
Bending radius (fixed)	24 mm
Number of wires	5
Number and diameter of wires	5x0.34
Cable length	1000 cm
Acceleration (C-track)	max. 10 m/s ²
AWG	22
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	48 mm
Cable type	3
Cable weight	approx. 41.8 g/m
Wire 1: Color	BN
Wire 2: Color	BK
Wire 3: Color	BU
Wire 4: Color	WH
Wire 5: Color	GY
Conductor structure	42 × 0.1 mm
Cable diameter	4.8 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
No. of bending cycles (C-track)	approx. 10000000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	2.5 kV 0
Torsion stress in °	± 180 °/m
Total stranding	5 wires strand around core-filler
Travel speed (C-track)	max. 3 m/s
Traversing path (horizontal)	max. 10 m
Wire cross section	0.34 mm ²
Wire processing	No

Technical data

Cable

Wire diameter incl. isolation	1.25 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage	50 V AC/DC 0
Operating voltage (only UL listed)	30 V AC/DC
Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 4 A

Mechanical data

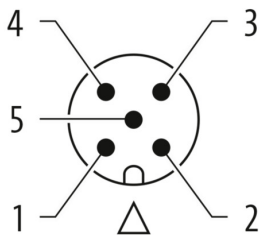
Head A: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	48 mm
No. of bending cycles (C-track)	approx. 10000000 Cycles
Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 2000000 Cycles
Acceleration (C-track)	max. 10 m/s ²
Travel speed (C-track)	max. 3 m/s

Environmental conditions

Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
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)
Cable: Oil resistance	Good (DIN EN 60811-404)
Cable: Silicone-free	Yes
Cable: UV resistance	Yes

Side A

Coding



Connection diagram

