Baumer
Passion for Sensors

Cable with open-ended wires

CAM12.A3-11232828

Article Number: 11232828

Overview

- M12, male, A-coded; 3-poles; TPE-S, 1500 cm, free cable end
- Dragchain capable; suitable for robotics ± 180 °/m; suitable for food & beverage
- Head A: IP65, IP68, IP69K
- ECOLAB tested
- 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	3
Head A: LED	No
Head A: Width across flats	AF14
Head A: Tightening torque	0.6 Nm
Head A: Knurled nut material	Stainless steel (V4A)
Head A: Body color	Blue
Labeling sleeve side A	No
Side B	
Head B: Connection	Open-ended wires
Labeling sleeve side B	No
Cables	
Cable length	1500 cm
Length tolerance	± 22.5 cm
Stripping length	20 mm
Shielded	No
Conductor structure	42 × 0.1 mm
AWG	22
External sheath: Material	TPE-S
External sheath: Color	Blue
Cable diameter	4.3 mm ± 5%
Wire cross section	0.34 mm²
Cable	
Cable: Temperature range (mobile)	- 25 ...+ 105 °C
Cable: Temperature range (fixed)	- 40 ...+ 105 °C
Operating voltage (only UL listed)	30 V AC/DC
Shielded	No
Bending radius (fixed)	21.5 mm
Number of wires	3
Number and diameter of wires	3x0,34
Length tolerance	± 22.5 cm
Cable length	1500 cm

Cable	
Acceleration (C-track)	max. 10 m/s²
AWG	22
Bending radius (fixed)	min. 5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
Cable weight	approx. 24.2 g/m
Wire 1: Color	BN
Wire 2: Color	BK
Wire 3: Color	BU
Conductor structure	42 × 0.1 mm
Cable diameter	4.3 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	TPE-S
Insulation: Material	PP
No. of bending cycles (C-track)	approx. 4000000 Cycles
Nominal voltage	300 V AC
No. of torsion cycles	approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	3 kV
Torsion stress in °	± 180 °/m
Total stranding	3 wires strand
Travel speed (C-track)	max. 3 m/s
Traversing path (horizontal)	max. 10 m
Wire cross section	0.34 mm²
Wire processing	No
Wire diameter incl. isolation	1.27 mm ± 5%
External sheath: Color	Blue
Electrical data	
Operating voltage	max. 250 V AC/DC
Operating voltage (only UL listed)	30 V AC/DC
Nominal voltage	300 V AC
Contact resistance	max. 30 mOhm
Operating current per contact	max. 4 A

2023-10-09 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

CAM12.A3-11232828

Article Number: 11232828

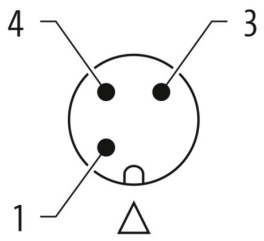
Technical data

Mechanical data	
Head A: Degree of protection	IP65, IP68, IP69K
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	approx. 4000000 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/s²
Travel speed (C-track)	max. 3 m/s
Environmental conditions	
Temperature range (mobile)	- 25 ...+ 105 °C
Temperature range (fixed)	- 40 ...+ 105 °C
Cable: Temperature range (fixed)	- 40 ...+ 105 °C

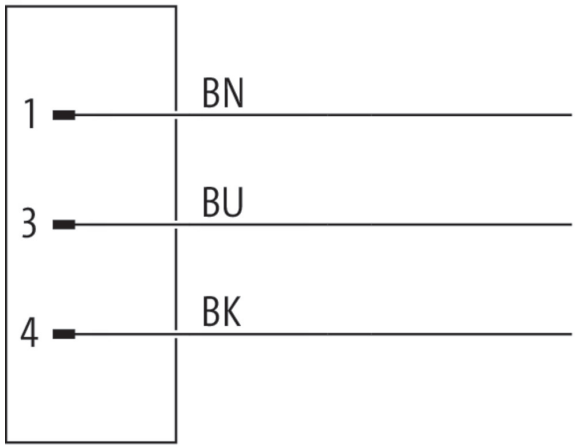
Environmental conditions	
Dragchain capable	Yes
Head A: Chemical resistance	Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application.
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	ECOLAB tested
Head A: Pollution degree	3
Cable: Chemical resistance	ECOLAB material resistance test passed
Cable: Acid and alkali resistant	Good (FDA 21 178.3620, 178.3297, 177.1520, EU 10/2011)
Cable: Silicone-free	Yes
Commercial data	
Eclass	27060311

Side A

Coding

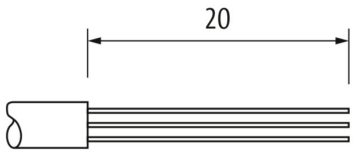


Connection diagram

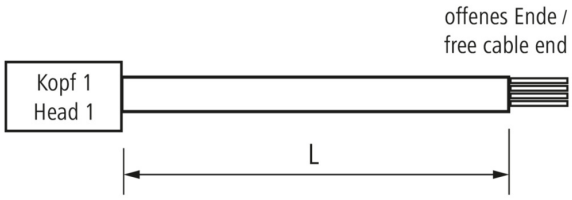


Side B

Technical drawing



Dimension drawing



2023-10-09 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.