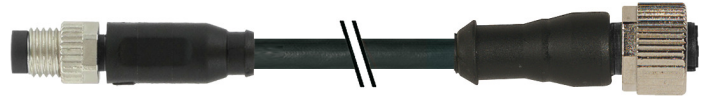


Overview

- M8, connector, A-coded, 4-pin; PUR, 200 cm; M12, female, A-coded, 4-pin
- Dragchain capable
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against chemicals and oils
- Halogen free



Technical data

Side A

Head A: Connection	M8
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: Coding	A
Head A: No. of poles	4
Head A: LED	No
Head A: Width across flats	AF9
Head A: Tightening torque	0.4 Nm
Head A: Knurled nut material	Brass, surface Ni
Head A: Body color	Black
Labeling sleeve side A	Yes

Side B

Head B: Connection	M12
Head B: Angle cable outlet	0°
Head B: Gender	Female
Head B: Coding	A
Head B: No. of poles	4
Head B: LED	No
Head B: Width across flats	AF13
Head B: Tightening torque	0.6 Nm
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni
Head B: Body color	Black
Head B: Gasket material	FKM
Labeling sleeve side B	Yes

Cables

Cable length	200 cm
Shielded	No
Conductor structure	32 × 0.1 mm
AWG	24
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	4.5 mm ± 5%
Wire cross section	0.25 mm ²

Cable

External sheath: Shore hardness	90 ± 5 A
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Cable

Cable: Temperature range (mobile)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Shielded	No
Cable length	200 cm
Acceleration (C-track)	max. 10 m/s ²
AWG	24
Bending radius (fixed)	min. 5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 mm × outer diameter
Cable type	3
Cable weight	approx. 33 g/m
Wire 1: Color	BN
Wire 2: Color	BK
Wire 3: Color	BU
Wire 4: Color	WH
Conductor structure	32 × 0.1 mm
Cable diameter	4.5 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	4 wires strand
Travel speed (C-track)	max. 3 m/s
Traversing path (horizontal)	max. 10 m
Wire cross section	0.25 mm ²
Wire processing	No
Wire diameter incl. isolation	1.25 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage	50 V AC/DC 0
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Technical data

Electrical data

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
Head B: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	min. 10 mm × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
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

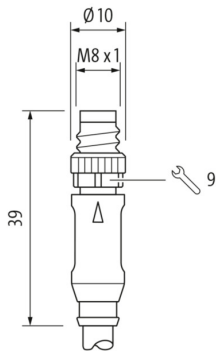
Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Dragchain capable	Yes

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.
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

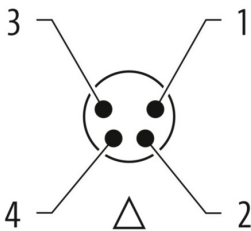
Side A

Technical drawing



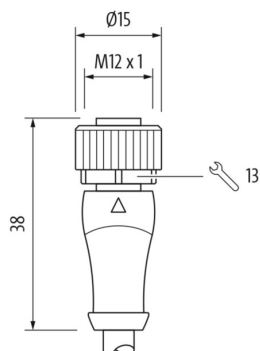
Side A

Coding

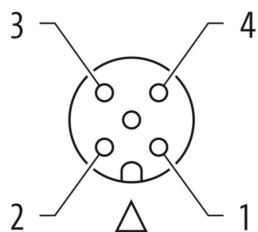


Side B

Technical drawing



Coding



Connection diagram

1	BN	1
2	WH	2
3	BU	3
4	BK	4