

## Overview

- M12, male, A-coded, 8-poles; PUR, 100 cm, shielded; M12, female, A-coded, 8-poles
- Dragchain capable
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, 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	8
Head A: LED	No
Head A: Width across flats	SW13
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

### 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	8
Head B: LED	No
Head B: Width across flats	SW13
Head B: Tightening torque	0.6 Nm
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni
Head B: Body color	Black
Labeling sleeve side B	Yes

### Cables

Cable length	100 cm
Length tolerance	+ 5 cm
Shielded	Yes
Conductor structure	32 × 0.1 mm
AWG	24
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	7 mm ± 5%
Wire cross section	0.25 mm²

### Electrical data

Operating voltage	max. 30 V AC/DC
Operating voltage (only UL listed)	30 V AC/DC

### Electrical data

Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 2 A

### Mechanical data

Head A: Degree of protection	IP65, IP66K, IP67
Head B: 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
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
Head B: Chemical resistance	No
Head B: Flame resistance	HB (UL 94)
Head B: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head B: Acid and alkali resistant	No
Head B: Pollution degree	3

## Technical data

### Environmental conditions

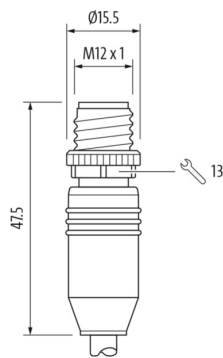
Cable: Chemical resistance	Good (DIN EN 60811-404)
Cable: Flame resistance	Conform UL 1581 §1090 (H); CSA FT2; IEC 60332-2-2

### Environmental conditions

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

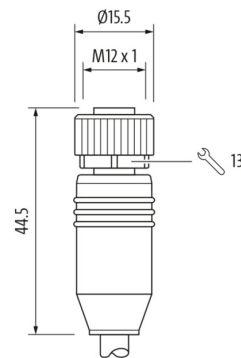
## Side A

### Technical drawing

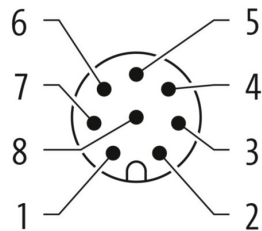


## Side B

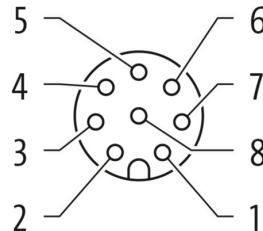
### Technical drawing



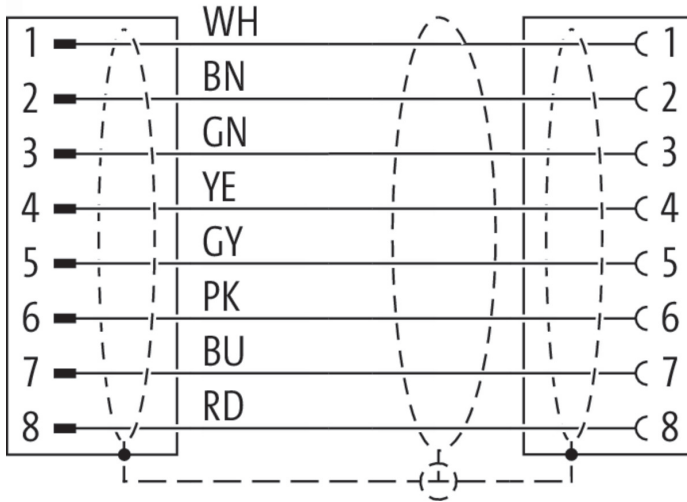
## Coding



## Coding



Connection diagram



Dimension drawing

