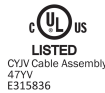
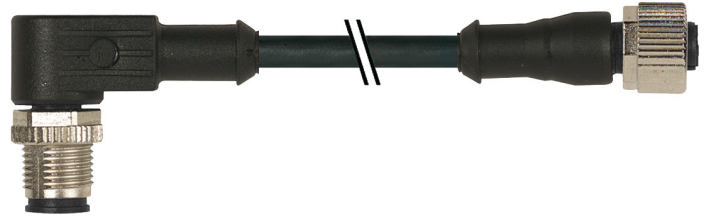


Overview

- M12, male, A-coded, 4-poles; PUR, 500 cm; M12, female, A-coded, 4-poles
- Dragchain capable; suitable for robotics ± 180 °/m
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

Side A		Electrical data	
Head A: Connection	M12	Nominal voltage	300 V
Head A: Angle cable outlet	90°	Contact resistance	max. 30 mOhm
Head A: Gender	Male	Operating current per contact	max. 4 A
Head A: Coding	A	Mechanical data	
Head A: No. of poles	4	Head A: Degree of protection	IP65, IP66K, IP67
Head A: LED	No	Head B: Degree of protection	IP65, IP66K, IP67
Head A: Width across flats	SW13	Bending radius (mobile)	min. 10 × outer diameter
Head A: Tightening torque	0.6 Nm	Bending radius (fixed)	min. 5 × outer diameter
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	No. of bending cycles (C-track)	approx. 10000000 Cycles
Head A: Body color	Black	Torsion speed	max. 35 cycles/min
Labeling sleeve side A	Yes	Torsion stress in °	± 180 °/m
Side B		No. of torsion cycles	approx. 2000000 Cycles
Head B: Connection	M12	Acceleration (C-track)	max. 10 m/s ²
Head B: Angle cable outlet	0°	Travel speed (C-track)	max. 3 m/s
Head B: Gender	Female	Environmental conditions	
Head B: Coding	A	Temperature range (mobile)	- 25 ...+ 80 °C
Head B: No. of poles	4	Temperature range (fixed)	- 25 ...+ 80 °C
Head B: LED	No	Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Head B: Width across flats	SW13	Dragchain capable	Yes
Head B: Tightening torque	0.6 Nm	Head A: Chemical resistance	No
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni	Head A: Flame resistance	HB (UL 94)
Head B: Body color	Black	Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Labeling sleeve side B	Yes	Head A: Acid and alkali resistant	No
Cables		Head A: Pollution degree	3
Cable length	500 cm	Head B: Chemical resistance	No
Length tolerance	± 7.5 cm	Head B: Flame resistance	HB (UL 94)
Shielded	No	Head B: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Conductor structure	42 × 0.1 mm	Head B: Acid and alkali resistant	No
AWG	22	Head B: Pollution degree	3
External sheath: Material	PUR	Electrical data	
External sheath: Color	Black	Operating voltage	max. 250 V AC/DC
Cable diameter	4.5 mm $\pm 5\%$	Operating voltage (only UL listed)	30 V AC/DC
Wire cross section	0.34 mm ²		

Technical data

Environmental conditions

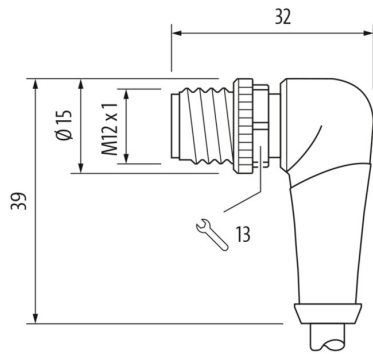
Cable: Chemical resistance	Good (DIN EN 60811-404)
Cable: Flame resistance	Conform UL 1581 §1090 (H); CSA FT2; IEC 60332-2-2

Environmental conditions

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

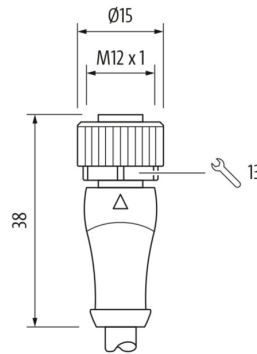
Side A

Technical drawing

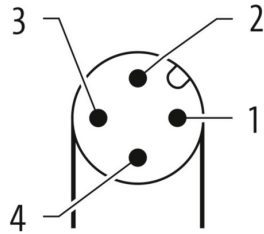


Side B

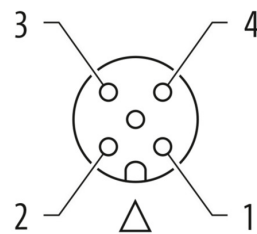
Technical drawing



Coding



Coding



Connection diagram



Dimension drawing

