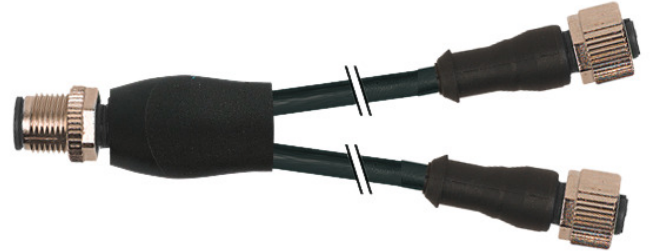


Overview

- Y-Connector, M12 connector, 0°, A-coded, 5-pin; PUR, 200 cm, M12 female 0°, A-coded, 5-pin



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
Head A: Gasket material	FKM
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	GNYE

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	5
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
Head C: Connection	M12
Head C: Angle cable outlet	0°
Head C: Gender	Female

Side B

Head C: Coding	A
Head C: No. of poles	5
Head C: LED	No
Head C: Width across flats	AF13
Head C: Tightening torque	0.6 Nm
Head C: Knurled nut material	Zinc-pressure die casting, surface Ni
Head C: Body color	Black
Head B: Contact layout pin 1	BN
Head B: Contact layout pin 2	WH
Head B: Contact layout pin 3	BU
Head B: Contact layout pin 4	BK
Head B: Contact layout pin 5	GNYE

Cables

Cable length	200 cm
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 mm²

Cable

Cable: Temperature range (mobile)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Shielded	No
Bending radius (fixed)	24 mm
Number of wires	5
Cable length	200 cm
AWG	22
Bending radius (fixed)	min. 5 × outer diameter

Technical data
Cable

Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
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	GNYE
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
Operating current per wire	4.5 A
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
Wire diameter incl. isolation	1.25 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage	max. 125 V AC/DC 0
Nominal voltage	300 V
Operating current per contact	4 A

Mechanical data

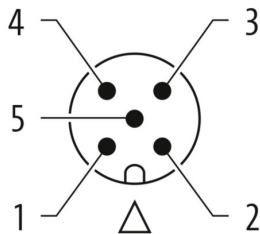
Head A: Degree of protection	IP65, IP67
Head B: Degree of protection	IP65, IP67
Head C: Degree of protection	IP65, IP67
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	approx. 10000000 Cycles
Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 2000000 Cycles
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	Good (DIN EN 60811-404)
Head A: Flame resistance	Conform UL 1581 §1090, §1100 (FT2), IEC 60332-1-2 Std.
Head A: Oil resistance	Good (DIN EN 60811-404)
Head A: Pollution degree	3
Head B: Chemical resistance	Good (DIN EN 60811-404)
Head B: Flame resistance	Conform UL 1581 §1090, §1100 (FT2), IEC 60332-1-2 Std.
Head B: Oil resistance	Good (DIN EN 60811-404)
Head B: Pollution degree	3
Cable: UV resistance	UV 3 (DIN EN ISO 4892 -2A)
Head C: Pollution degree	3

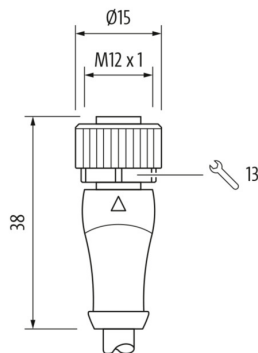
Side A

Coding

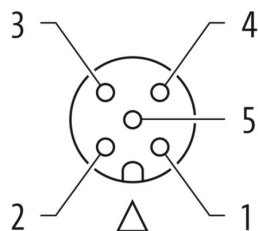


Side B

Technical drawing



Coding



Connection diagram

