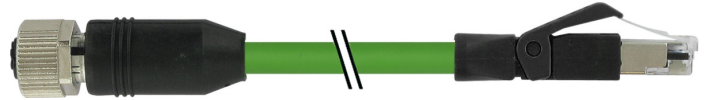


Overview

- M12, female, D-coded, 4-poles; PUR, 1500 cm, shielded; RJ45, male, D-coded, 4-poles
- Dragchain capable, CAT5, 100 Mbit/s
- Head A: IP67; Head B: IP20
- Cable: good resistance against flames, oils
- Halogen free



Technical data

Side A		Cable	
Head A: Connection	M12	Shielding: Covering	approx. 85 %
Head A: Angle cable outlet	0°	Characteristic impedance	100 Ohm ± 15%
Head A: Gender	Female	Signal delay	5.1 ns/m
Head A: Coding	D	Transmission rate	100 MBit/s
Head A: No. of poles	4	Bending radius (fixed)	33.5 mm
Head A: LED	No	Number of wires	4
Head A: Width across flats	AF13	Number and diameter of wires	4x0,355
Head A: Tightening torque	0.6 Nm	Length tolerance	± 22.5 cm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Cable length	1500 cm
Head A: Body color	Black	Acceleration (C-track)	max. 2 m/s ²
Head A: Gasket material	FKM	AWG	22
Labeling sleeve side A	Yes	Bending radius (fixed)	min. 5 × outer diameter
Side B		Bending radius (mobile)	min. 12 × outer diameter
Head B: Connection	RJ45	Cable weight	approx. 69.3 g/m
Head B: Angle cable outlet	0°	Wire 1: Color	WH
Head B: Gender	Male	Wire 2: Color	YE
Head B: No. of poles	4	Wire 3: Color	BU
Head B: LED	No	Wire 4: Color	OG
Head B: Body color	Black	Conductor structure	7 × 0.254 mm
Labeling sleeve side B	Yes	Cable diameter	6.7 mm ± 5%
Cables		Insulation resistance	min. 5 MOhm x m
Cable length	1500 cm	Conductor: Material	Copper, bare
Length tolerance	± 22.5 cm	External sheath: Material	PUR
Shielded	Yes	Insulation: Material	PE
Conductor structure	7 × 0.254 mm	Shielding: Material	Copper, tinned; PET aluminium coated
AWG	22	No. of bending cycles (C-track)	approx. 3000000 Cycles
External sheath: Material	PUR	Nominal voltage	300 V
External sheath: Color	Green	Paired stranding	No
Cable diameter	6.7 mm ± 5%	Single wire diameter	0.254 mm
Wire cross section	0.355 mm ²	Cable: Test voltage	2 kV AC core-core ; 2 kV AC core-shield
Cable		Total stranding	4 wires strand around core-filler
Cable: Temperature range (mobile)	- 30 ...+ 70 °C	Travel speed (C-track)	max. 3.3 m/s
Cable: Temperature range (fixed)	- 40 ...+ 80 °C	Traversing path (horizontal)	max. 5 m
Operating voltage (only UL listed)	30 V DC	Wire cross section	0.355 mm ²
Shielded	Yes	Wire processing	No
		Wire diameter incl. isolation	1.4 mm ± 5%
		External sheath: Color	Green

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

Technical data

Cable

Protocols CAT5e

Electrical data

Operating voltage max. 60 V DC

Operating voltage (only UL listed) 30 V DC

Nominal voltage 300 V

Contact resistance max. 30 mOhm

Operating current per contact max. 1.5 A

Mechanical data

Head A: Degree of protection IP67

Head B: Degree of protection IP20

Bending radius (mobile) min. 12 × outer diameter

Bending radius (fixed) min. 5 × outer diameter

No. of bending cycles (C-track) approx. 3000000 Cycles

Acceleration (C-track) max. 2 m/s²

Travel speed (C-track) max. 3.3 m/s

Environmental conditions

Temperature range (mobile) - 25 ... + 70 °C

Temperature range (fixed) - 25 ... + 80 °C

Cable: Temperature range (fixed) - 40 ... + 80 °C

Environmental conditions

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

Cable: Flame resistance Conform UL 1581 §1060 (FT1), §1061 (cable flame), §1080 (VW-1), IEC 60332-1-2 Std.

Cable: Oil resistance Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.

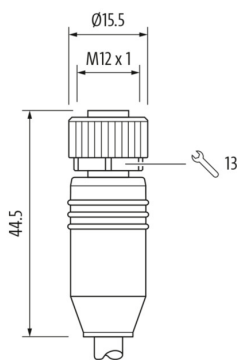
Cable: Silicone-free Yes

Commercial data

Eclass 27061801

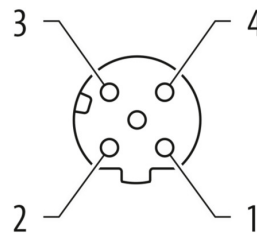
Side A

Technical drawing



Side A

Coding



Side B

Technical drawing



Dimension drawing



Coding



Connection diagram

