

M12 male 90° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

DeviceNet, CANopen

Male 90°

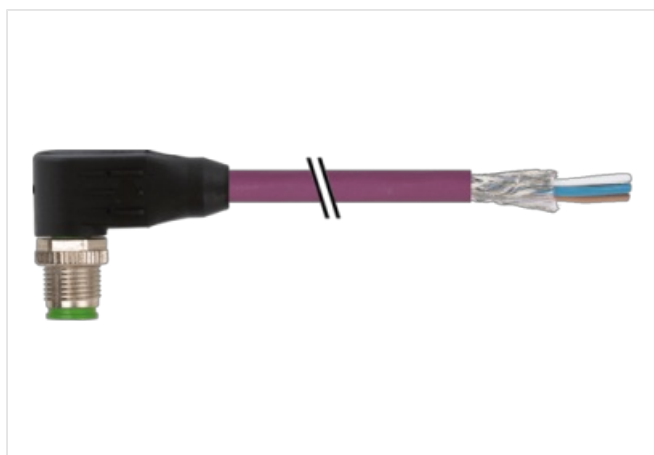
M12, 5-pole

shielded

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**

Product may differ from Image





Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
取引条件	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
GTIN	4048879200714
HSコード	85444290
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting

Material screw connection

Zinc die-casting

Mechanical data | Mounting data

Mounting method

inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min.

-25 °C

Operating temperature max.

85 °C

Additional condition temperature range

depending on cable quality

Important installation notes

Note on strain relief

Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Note on bending radius

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Installation | Cable

wire arrangement

(white, blue), (black, red)

Cable identification

803

Jacket Color

violet

Type of Certificate

cURus

Amount stranding

1

Stranding

2 wires twisted

Amount stranding (type 2)

1

Stranding (type 2)

2 Stranded joints twisted

Cable shielding (type)

copper braid, tinned

Cable shielding (coverage)

65 %

Banding

Foil

Drain wire (cross-section)

22 AWG

wire arrangement

(white, blue), (black, red)

Cable weight

63,12 g/m

Material jacket

PUR

Shore hardness jacket

90 ± 5 Shore A

Freedom from ingredients (jacket)

lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)

6,9 mm

Tolerance outer diameter (sheath)

± 5 %

Material wire insulation

PE

Amount wires

2

Outer diameter insulation

2,1 mm

Outer diameter tolerance core insulation

± 5 %

Shore hardness wire insulation

64 ± 5 Shore D

Ingredient freeness wire insulation

lead-free, CFC-free, halogen-free

Amount strands (wire)

19

Diameter of single wires

24 AWG

Conductor crosssection (wire)

24 AWG

Drain wire (cross-section)

22 AWG

Material conductor wire

copper stranded wire, tinned

Electrical function wire

Data

Material wire insulation (Data)

PE

Outer diameter wire insulation (Data)

1,5 mm

Tolerance outer diameter wire insulation (data)

± 53 %

Ingredient freeness wire insulation (Data)

lead-free, CFC-free, halogen-free

Amount wires (Data)

2

Amount strands wire (Data)

19

Diameter of single wires (Data)

22 AWG

Conductor crosssection wire (Data)

22 AWG

Material conductor wire (Data)

copper stranded wire, tinned

Electrical function wire (data)

Power

このデータシートに含まれる情報は最大限の注意を払って作成されました。
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Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio.
Traversing distance (C-track)	5 m
Travel speed (C-track)	3 m/s
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min