

M12 fem. recept. D-cod. RM / RJ45 male 0°

PUR 2x2xAWG22 shielded vt UL/CSA+dragchain 1.0m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Flange female straight – male straight

M12 – RJ45, 4-pole

D-coded

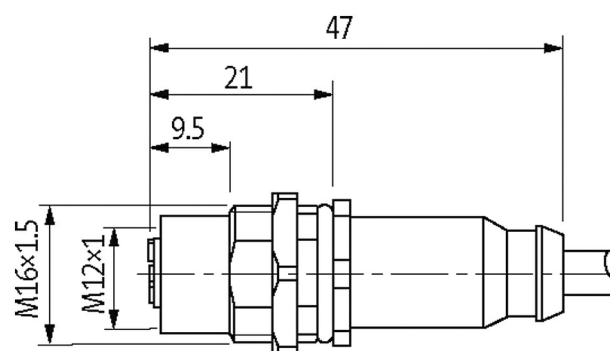
shielded

8-pole partly used

Rear mounting

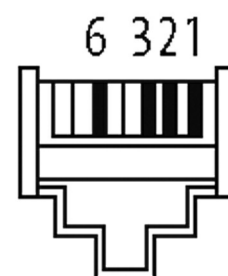
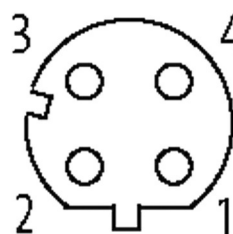
Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

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

Female

Male



Product may differ from Image

Approvals

* only for products with UL/CSA approved cable

More Info

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 11/20

EtherNet/IP

EtherCAT

PROFI
NET**Form**

Form 44851

General data

Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

No./diameter of wires	2× 2× 0.34 mm ²
Wire isolation	PO (wh, ye, bl, or)
C-track properties	3 Mio.
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.7 mm ±5%
Bend radius (moving)	12× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-30...+70 °C
Cable identification	798
Approval (cable)	UL (AWM-Style 20233/11602), CSA; CE
Cable weight [g/m]	68,64
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Single wire Ø (core)	0.15 mm
Construction (core)	19× 0.15 mm (multi-strand wire class 5)
Diameter (core)	2× 2× AWG22/7 (0.355)
AWG	similar to AWG 22
Material (wire isolation)	PO
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Wire-Ø incl. isolation	1.4 mm ±5%
Color/numbering of wires	wh, ye, bl, or
Shield	yes
	min. 80%
Material (jacket)	PUR
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	6.7 mm ±5%
Color (jacket)	violet
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant
Nominal voltage	300 V
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-30...+70 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	12× outer Ø
No. of bending cycles (C-track)	max. 3 Mio. (25 °C)
Traversing distance (C-track)	max. 5 m (horizontal)

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

Acceleration (C-track)	max. 2 m/s ²
------------------------	-------------------------

Jacket Color	violet
--------------	--------

Technical Data

Operating voltage	max. 60 V DC
-------------------	--------------

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

Rated surge voltage	1.0 kV
---------------------	--------

Operating current per contact	max. 1.5 A (20 °C)
-------------------------------	--------------------

Material group	IEC 60664-1, category I
----------------	-------------------------

Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
---------------------	--

Transfer rate	up to 100 Mbit/s full duplex
---------------	------------------------------

Coding	M12, D-coded
--------	--------------

Locking of ports	Hexagonal nut (M16×1.5 mm)
------------------	----------------------------

Compression gland	M16 (SW19)
-------------------	------------

Protection	IP67 (M12) - IP20 (RJ45)
------------	--------------------------

Protection NEMA	3, 4, 6P (UL 50E) (M12)
-----------------	-------------------------

Locking material	Brass, nickel plated
------------------	----------------------

Material	PUR
----------	-----

suitable for corrugated tube (internal Ø)	10 mm
---	-------

Commercial data

country of origin	DE
-------------------	----

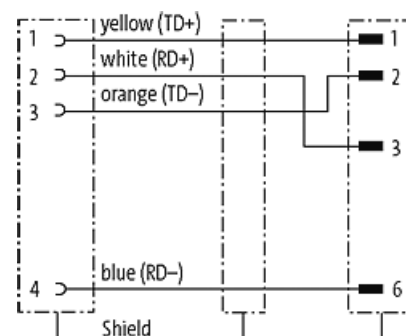
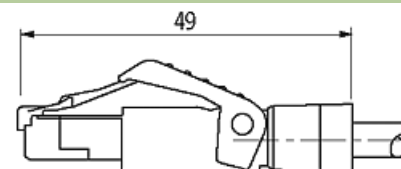
customs tariff number	85444290
-----------------------	----------

EAN	4048879576284
-----	---------------

eClass	27061801
--------	----------

Packaging unit	1
----------------	---

Sketch



Product may differ from Image