

M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 1.5m

Ethernet CAT5 Male straight M12, 8-pole Y-coded shielded

Further cable lengths on request.

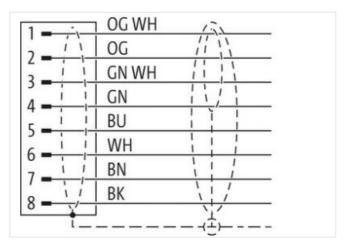
Plastic housings with good resistance against chemicals and oils.

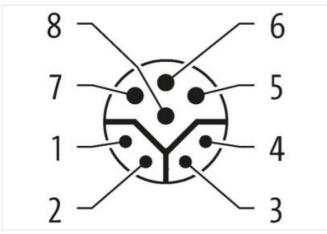
The resistance to aggressive media should be individually tested for your application. Further details on request.

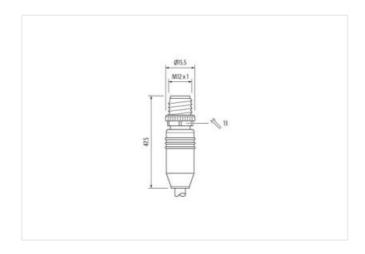
Link to Product

Illustration









Product may differ from Image



Cable length

1,5 m

Side 1

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05



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Family construction form M12 M12 M12 M12 M12 M13 M12 M13 M
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Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IR67 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27060007 ECLASS-7.0 27060007 ECLASS-8.0 27060007 ECLASS-9.0 27060007 ECLASS-10.1 27060007 ECLASS-11.1 27060007 ECLASS-12.0 27060007 ECLASS-13.0 ECO1885 CLASS-12.0 27060007 ECLASS-13.1 27060007 ECLASS-14.0 27060007 ECLASS-10.1 27060007 ETIM-5.0 CC01855 ECLASS-10.1 27
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Coating of fitting nickel plated Locking material Zinc die-casting
Locking material Zinc die-casting
Mechanical data Mounting data
Mounting method inserted, screwed, Shaking protection
Environmental characteristics Climatic Operating temperature min25 °C
Operating temperature min25 °C



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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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
·	805
Cable identification	
Jacket Color	cURus
ype of Certificate	
Amount stranding	1
Stranding	4 wires around 1 Filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires around Stranding combination with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fleece, Foil
Filler	yes
vire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
raversing distance (C-track)	5 m
Cable weigth	107,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8,1 mm
olerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,5 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	20 AWG
Conductor crosssection (wire)	20 AWG
Material conductor wire	Stranded copper wire, bare
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,1 mm
olerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 ± 5 Shore D
ngredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	4
mount strands wire (Data)	19
Diameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data)	26 AWG
Material conductor wire (Data)	Stranded copper wire, bare
Nominal voltage AC max.	60 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)	5,9 A



Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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	Good, application-related testing DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min