

M12 male 0° / M12 male 0° Y-cod. shielded

PUR AWG20/26 shielded bk UL/CSA+drag ch. 1m

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

Further cable lengths on request.

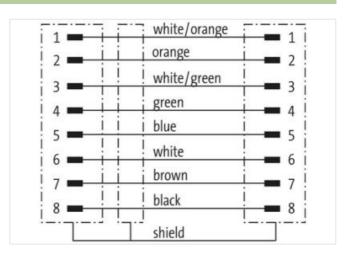
Plastic housings with good resistance against chemicals and oils.

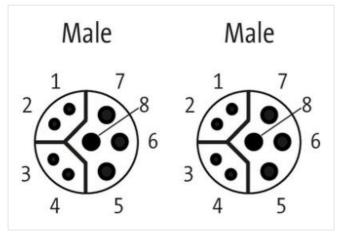
The resistance to aggressive media should be individually tested for your application. Further details on request.

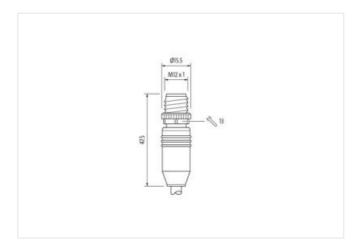
Link to Product

Illustration









Product may differ from Image



Cable length

1 m

Side 1



stay connected

Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Υ
Material	PUR
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Υ
Material	PUR
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879556637
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	50 V
Operating voltage DC max. (UL-listed)	30 V
Operating current per data contact max.	0,5 A
Operating current per power contact max.	6 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	ctionality
duplex	Full duplex
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
	Nickeled
Coating locking Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
<u> </u>	inserieu, screweu, srianny protection
Environmental characteristics Climatic	



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Operating temperature min.	-25 °C
perating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
lote 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	
roduct standard	DIN EN 61076-2-101 (M12)
Installation Cable	
cable identification	805
acket Color	black
ype of Certificate	cURus
mount stranding	1
tranding	4 wires around 1 Filler twisted
mount 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 %
air shielding (type)	copper braid, tinned
anding (type)	Fleece. Foil
iller	
	yes
rire arrangement Cable weigth	black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m
Material jacket	PUR
thore 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
mount wires	4
Outer diameter insulation	1,5 mm
Outer diameter insulation	±5%
thore hardness wire insulation	55 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
<u> </u>	
mount strands (wire) tiameter of single wires	19 20 AWG
Conductor crosssection (wire)	20 AWG
laterial conductor wire	Stranded copper wire, bare
faterial conductor wire	PP
Duter diameter wire insulation (Data)	1,1 mm
. ,	· ·
thore hardness wire insulation (Data)	± 5 % 55 ± 5 Shore D
ngredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
mount wires (Data)	4
mount strands wire (Data)	19
<u> </u>	26 AWG
Viameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data) Material conductor wire (Data)	Stranded copper wire, bare
Jonadolo Julia,	
raversing distance (C-track)	5 m 60 V



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Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	2 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 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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)	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