

M12 male 90° / M12 male 90° Y-cod. shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 2.0m

Ethernet CAT5 Male 90° - male 90° M12 - M12, 8-pole Y-coded shielded

Further cable lengths on request.

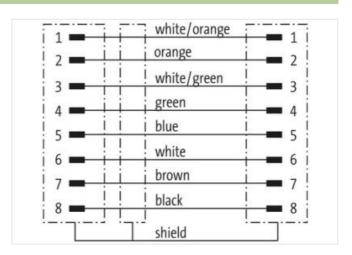
Plastic housings with good resistance against chemicals and oils.

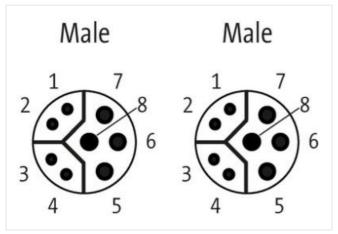
The resistance to aggressive media should be individually tested for your application. Further details on request.

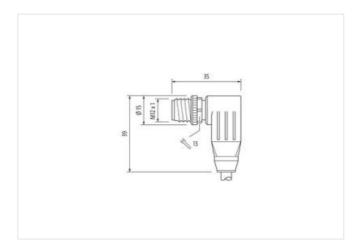
Link to Product

Illustration









Product may differ from Image



Cable length

2 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	27279218
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	4065909088036
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	ты вырых
•	IDAE IDAE
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3 0,8 kV
Rated surge voltage Material group (IEC 60664-1)	U,8 KV
Mechanical data	1
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	



stay connected

	-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	black, brown, white, blue, (orange-white, green, orange, green-white)	
Cable identification	805	
Jacket Color	green	
Type of Certificate	cURus	
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	
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)	
Cable weigth	107,8 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)	8,1 mm	
Folerance 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	
Folerance outer diameter wire insulation (data	,	
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	
Amount 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 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
Isolation resistance	5000 MΩ
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
No. of bending cycles (C-track)	5 Mio.
Traversing distance (C-track)	5 m
Travel speed (C-track)	3,3 m/s
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min