

M12 male 0° / M12 female 90° Y-cod. shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 2.5m

Male straight – female 90° M12, Y-coded 8-pole, shielded Ethernet CAT5

Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

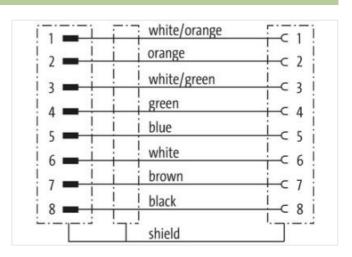
Plastic housings with good resistance against chemicals and oils.

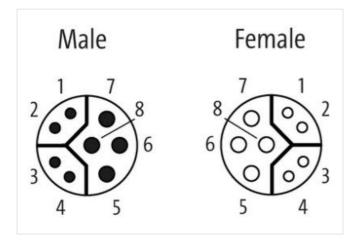
The resistance to aggressive media should be individually tested for your application. Further details on request.

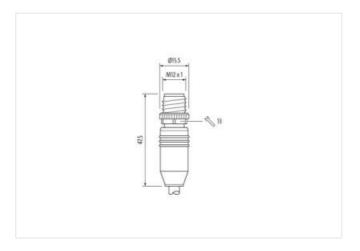
Link to Product

Illustration



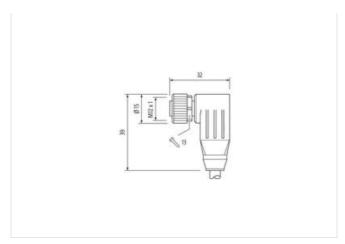








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Product may differ from Image



Cable length	2,5 m
Side 1	
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	4048879716260
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	50 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V

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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	
duplex	Full duplex
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
	installed assessed Obelian availables
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	
Cable identification	805
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	
	4 wires around 1 Filler twisted
	4 wires around 1 Filler twisted
Amount stranding (type 2) Stranding (type 2)	1
Amount stranding (type 2)	
Amount stranding (type 2) Stranding (type 2)	1 4 wires around Stranding combination with Filler twisted
Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 %
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white)
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 %
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 % PP
Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 % PP

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Ingredient 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
Tolerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient 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
Traversing distance (C-track)	5 m
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
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