

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

PUR AWG20/26 shielded gn UL/CSA+drag ch. 2m

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

Transmission properties with channel transmission up to 50 m

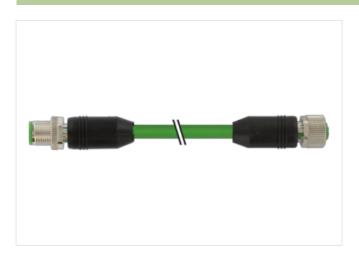
Further cable lengths on request.

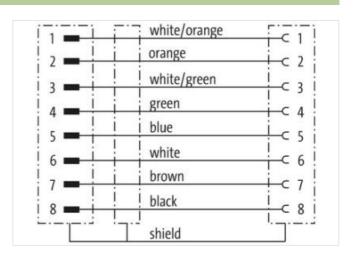
Plastic housings with good resistance against chemicals and oils.

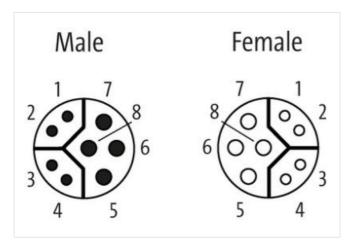
The resistance to aggressive media should be individually tested for your application. Further details on request.

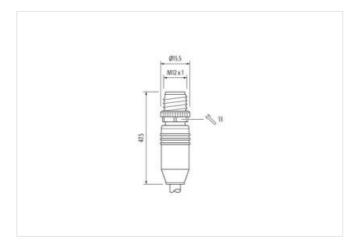
Link to Product

Illustration

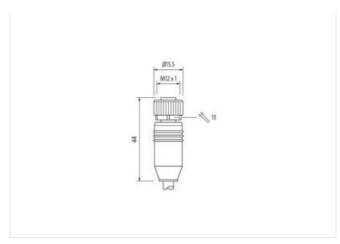












Product may differ from Image



Side 1 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding Y Material PUR Width across flats SW13 Side 2 Tightening torque Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding Y Material PUR Commercial date ECLASS-6.0 27279218 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECTASS-11.1 27060307 ECLASS-12.0 27060307 ECTASS-11.1 27060307 ECTASS-12.0 27060307 ECTASS-12.0 27060307 ECTASS-12.0 27060307	Cable length	2 m
Family construction form M12	Side 1	
Thread	Tightening torque	0,6 Nm
Coding Y Material PUR Width across flats SW13 Sw13 Sw13 Sw13 Sw13 Sw13 Tightening torque 0.6 Nm Family construction form M12 Thread M12 x 1 Coding Y Material PUR Coding Coding V Material PUR Coding V Material PUR Coding ECLASS-6.0 2729218 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	Family construction form	M12
Material PUR Width across flats SW13 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding Y 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-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC000830 customs tariff number 85444290 GTIN 404879737968 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage AC (UL-listed) 30 V	Thread	M12 x 1
Width across flats SW13 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding Y 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-9.0.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC000830 customs tariff number 85444290 GTIN 4048879737968 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	Coding	Υ
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Family construction form M12 Thread M12 x 1 Coding Y 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-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC000830 customs tariff number 85444290 GTIN 4048879737968 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	Side 2	
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Coding Y 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 EC000830 customs tariff number 85444290 GTIN 4048879737968 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	Family construction form	M12
Material	Thread	M12 x 1
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Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V Operating voltage AC (UL-listed) 30 V		4048879737968
Operating voltage AC max. 50 V Operating voltage DC max. 50 V Operating voltage AC (UL-listed) 30 V	Packaging unit	1
Operating voltage DC max. 50 V Operating voltage AC (UL-listed) 30 V	Electrical data Supply	
Operating voltage AC (UL-listed) 30 V	Operating voltage AC max.	50 V
		50 V
Operating voltage DC (UL-listed) 30 V	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V

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: 2024-06-23



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2	0,5 A
Operating current per power contact max.	6 A
Industrial communication	
Fransfer parameters	CAT5e, Class D (ISO/IEC 11801)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	etionality
duplex	Full duplex
Device protection Electrical	
•	IDES IDES IDES
Degree of protection (EN IEC 60529) Additional condition protection degree	IP65, IP67, IP68, IP66K inserted, screwed
Pollution Degree	3
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	U,0 KV
,	'
Mechanical data Material data	
Coating locking	Nickeled
_ocking material	Zinc die-casting
Mechanical data Mounting data	
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
· · ·	depending on easie 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	
Type of Certificate	cURus
Amount stranding	1
Amount stranding Stranding	
Amount stranding Stranding Amount stranding (type 2)	1 4 wires around 1 Filler twisted 1
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 %
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type)	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler	1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement	1 4 wires around 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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	1 4 wires around 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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 1 Filler twisted 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 Stranding 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) Duter-diameter (jacket) Folerance outer diameter (sheath)	1 4 wires around 1 Filler twisted 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 Stranding 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 1 Filler twisted 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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Shore hardness wire insulation	55 ± 5 Shore D
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
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 ΜΩ
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