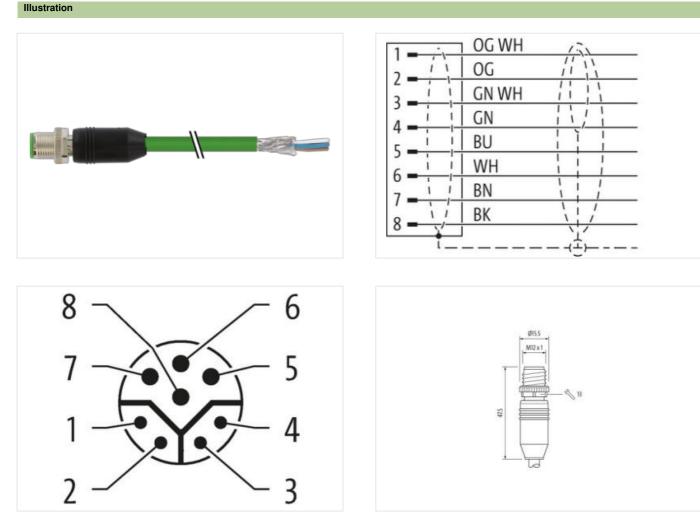


M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 20m

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



Product may differ from Image



Cable length

20 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: 2024-05-19



Tightening torque	0,6 Nm		
Mounting method	inserted, screwed		
Family construction form	M12		
Thread	M12 x 1		
Coding	Y		
Material	PUR		
Width across flats	SW13		
Degree of protection (EN IEC 60529)	IP67		
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	4048879600699		
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		
Current operating per contact (UL)	3,3 A		
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 func			
duplex	Full duplex		
Installation Connection			
Mounting set	M12 x 1		
Device protection Electrical			
Additional condition protection degree	inserted, screwed		
Pollution Degree	3		
Rated surge voltage	0,8 kV		
Material group (IEC 60664-1)	1		
Mechanical data Material data			
Coating locking	Nickeled		
Coating of fitting	nickel plated		
Locking material	Zinc die-casting		
Material screw connection	Zinc die-casting		
Mechanical data Mounting data			
Mounting method	inserted, screwed, Shaking protection		
Environmental characteristics Climatic	Environmental characteristics Climatic		
Operating temperature min.	-25 °C		

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Important installation notes 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 endingered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation [Cable Cable identification 805 Zacket Color green Type of Certificate cURus Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 4 wires around 3 Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Zable shielding (coverage) 85 % S S S Pair shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Standing Fleece, Foll Filler Yes Yes wire arrangement black, brown, white, blue, (orange white, green, orange, green white) Cable shielding (type) Copper braid, tinned Stare hardness jacket 90 ± 5 Shore A PUR	Operating temperature max.	85 °C
Note on shain reliaf Protect the connectors by suitable necesures from machanical loads, e.g. by the usage of cable ises. Wate on bending radius Retention: Observe the permisable bending radii when laying cables, as the IP protection class can be ordering rodo ty excessive bending radii when laying cables, as the IP protection class can be ordering rodo ty excessive bending radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii when laying cables, as the IP protection class can be ordering radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii to the connection ty excessive bending radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii to the connection the connection ty excessive bending radii to the connection ty excessive bending radii to the connection ty excessive bending radii to the connection ty excessive bending radii when laying cables as the radii protection connection ty excessive bending radii when laying cables, as the IP protection connection ty excessive bending radii when laying cables, as the IP protection connection ty excessive bending radii when laying cables as the retention connection the connection the connection the connection the connection connection the connecone connection the connection the connecone connection	Additional condition temperature range	depending on cable quality
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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: 2024-05-19



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

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