

M12 female recept. Y-cod. shielded rear

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

Ethernet CAT5

Flange female

Good chemical and oil resistance (oil resistance does not apply to use with PVC cable)

M12, 8-pole

Y-coded

shielded

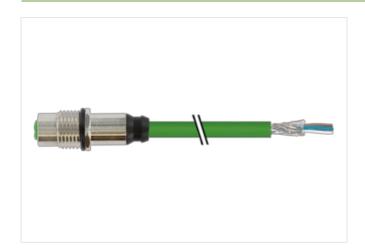
Transmission properties with channel transmission up to 50 m

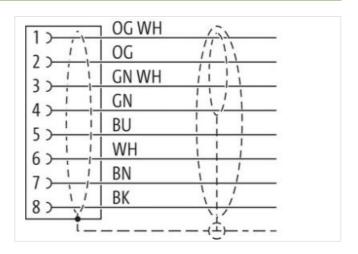
Further cable lengths on request.

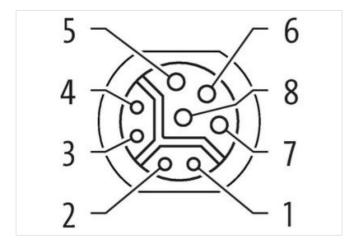
The resistance to aggressive media should be individually tested for your application. Further details on request.

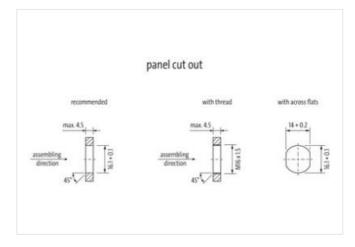
Link to Product

Illustration



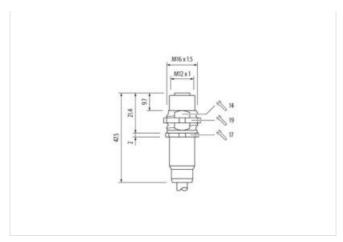








stay connected



Product may differ from Image















Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating head	nickel plated
Family construction form	M12
Thread	M12 x 1
Coding	Υ
Material	Brass
No. of poles	8
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879536394
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
Operating current per data contact max.	0,5 A
Operating current per power contact max.	6 A
Industrial communication	



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Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication Ethernet functionality		
duplex	Full duplex	
Installation Connection		
·	NO. 45	
Mounting set	M16 x 1.5 SW19	
Width across flats	SWI9	
Device protection Electrical		
Protection NEMA	3, 4, 6P	
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)		
Mechanical data Material data		
Coating housing	nickel plated	
Coating locking	nickel plated	
Coating of fitting	nickel plated	
Locking material	Brass	
Material screw connection	Brass	
Mechanical data Mounting data		
Mounting method	Schraubgewinde	
Looking techniques	Schraubgewinde	
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.	
Approvals		
UL 50E	yes	
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	



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Coulor diameter (jackot)** 0,1 mm* Toloranzo outro diameter (jackot)** 2,5 % Amount wises 4 Outre diameter insulation 1,5 mm Outre diameter insulation 2,5 % Show Facilities insulation 5,5 % Outre diameter insulation 5,5 % Show Facilities were insulation 5,5 % Show Facilities were insulation 1,5 mm Outre diameter of single were 20 AWG Contributor crosssociator fuvrie 20 AWG Malerial were insulation (Data) PP Outre diameter or insulation (Data) PP Outre diameter were insulation (Data) 1,3 mm Flores hardness were insulation (Data) 1,3 mm Flores hardness were insulation (Data) 55 % Show hardness were insulation (Data) 55 % Show hardness were insulation (Data) 55 % Amount were (Datio) 4 Amount were (Datio) 25 AWG Conductor consessed on wire (Data) 26 AWG Normal bad capacity int wire (Data) 26 AWG Corrent load capacity int in vire (Data)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Electrical resistance line constant wire $35 \Omega / km$ Electrical resistance coating wire (Data) $140 \Omega / km$ AC withstand voltage (wire - wire) $1 kV \otimes 60 s$ Electrical capacity line constant (wire - wire) $52000 pF / km$ Power frequency withstand voltage (wire - shield) $1 kV \otimes 60 s$ AC withstand voltage (wire - shield) $1 kV \otimes 60 s$ Isolation resistance $5000 k\Omega$ Min. operating temperature (static) $-50 ^{\circ}C$ Max. operating temperature (fixed) $80 ^{\circ}C / 90 ^{\circ}C \otimes 10000 h$ Operatino Operating temperature min. (dynamic) $-40 ^{\circ}C$ Operating temperature max. (dynamic) $80 ^{\circ}C / 90 ^{\circ}C \otimes 10000 h$ Operation Flame resistance $UL 1581 \S 1100 FT2 $		
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AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - lacket) 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 IDIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 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		
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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 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	jacket)	1 kV @ 60 s
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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 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	Isolation resistance	5000 ΜΩ
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 m Traver sing distance (C-track) 3,3 m/s No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Min. operating temperature (static)	
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 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	Max. operating temperature (fixed)	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 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	Operating temperature min. (dynamic)	-40 °C
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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	Flame resistance	
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	chemical resistance	<u> </u>
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	Gasoline resistance	
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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	Bending radius (installation)	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	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m Travel speed (C-track) 3,3 m/s No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	No. of bending cycles (C-track)	5 Mio.
No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Traversing distance (C-track)	5 m
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min