

M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 30m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Flange female straight - male straight

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

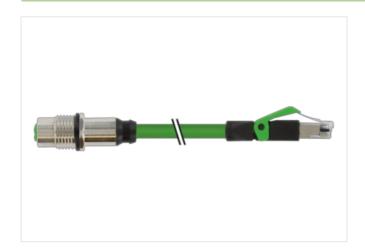
Rear mounting

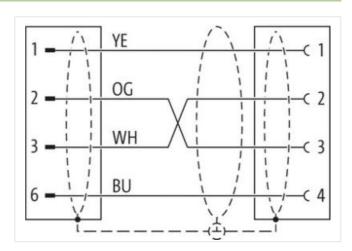
Transmission properties with channel transmission up to 100 m

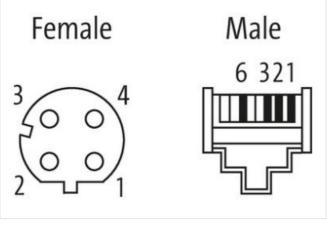
Further cable lengths on request.

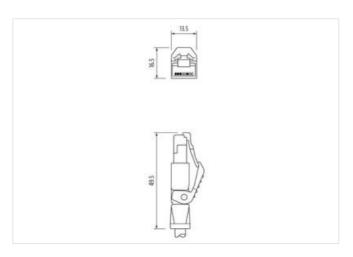
Link to Product

Illustration









Product may differ from Image











stay connected

Side 1 Tightening torque	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding D Material PUR Degree of protection (EN IEC 60529) IP67 Side 2 Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 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 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Op	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding D Material PUR Degree of protection (EN IEC 60529) IP67 Side 2 Coating head nickel plated Family construction form R, 145 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-9.0 27440103 ECLASS-1.1 27440103 ECLASS-1.2 27440103 ECLASS-1.3 27440103 ECLASS-1.4 27440103 ECLASS-1.5 27440103 ECLASS-1.5 27440103 ECLASS-1.1 27440103 ECLAS	
suitable for corrugated tube (internal Ø) 10 mm Coding D Material PUR Degree of protection (EN IEC 60529) IP67 Side 2 Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 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 ECIASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. 60 V	
Coding D Material PUR Degree of protection (EN IEC 60529) IP67 Side 2 Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-9.0 27440103 ECLASS-11.1 27440103 ECLASS-11.2 27440103 ECLASS-12.0 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. 60 V Operating voltage DC max. 00 V	
Material PUR Degree of protection (EN IEC 60529) IP67 Side 2 Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-9.0.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-12.0 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. 00 V	
Degree of protection (EN IEC 60529) IP67	
Side 2 Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Coating head nickel plated Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Family construction form RJ45 Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Material Brass Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Degree of protection (EN IEC 60529) IP20	
Commercial data ECLASS-6.0 27061801 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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
ECLASS-6.0 27061801 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-11.0 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
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 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. (UL-listed) 30 V	
ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
ECLASS-12.0 27440103 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
ETIM-5.0	
customs tariff number 85444290 GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
GTIN 4048879877763 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Electrical data Supply Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V	
Operating voltage DC max. (UL-listed) 30 V	
Operating voltage DC max. (UL-listed) 30 V	
Current operating per contact max. 1,5 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 functionality	
duplex Full duplex	
Installation Connection	
Mounting set M16 x 1.5	
Family construction form M12	
Width across flats SW19	
Device protection Electrical	
Protection NEMA 3, 4, 6P	
Pollution Degree 3	
Rated surge voltage 1 kV	
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking nickel plated	
Locking material Brass	
Mechanical data Mounting data	

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: 2024-05-20



stay connected

Operating temperature min. Operating temperature max.	
	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
lote on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Approvals	
JL 50E	yes
Installation Cable	
Cable identification	796
acket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
cable shielding (coverage)	85 %
Banding	Fleece, Foil
iller	yes
rire arrangement	white, yellow, blue, orange
able weigth	69,3 g/m
laterial jacket	PUR
hore hardness jacket	89 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
uter-diameter (jacket)	6,7 mm
olerance outer diameter (sheath)	± 5 %
faterial inner jacket	FRNC
Color (inner jacket)	natur
laterial wire insulation	PE
mount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	7
iameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
faterial conductor wire	Stranded copper wire, bare
raversing distance (C-track)	5 m @ 25 °C
ravel speed (C-track)	3 Mio. @ 25 °C
ravel speed (C-track)	3,3 m/s @ 25 °C
ominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
	55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire -	2 kV @ 60 s 50000 pF/km

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: 2024-05-20



AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m