

## M12 female 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5
Female straight – male straight
M12 – RJ45, 4-pole

D-coded

shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

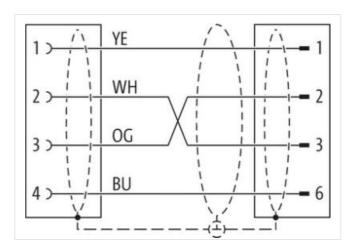
Plastic housings with good resistance against chemicals and oils.

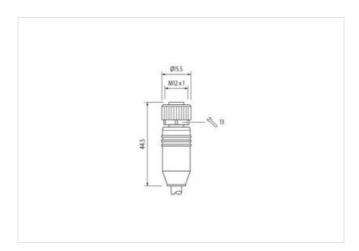
The resistance to aggressive media should be individually tested for your application. Further details on request.

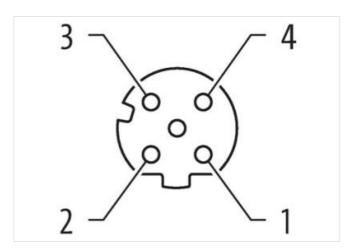
## **Link to Product**

## Illustration





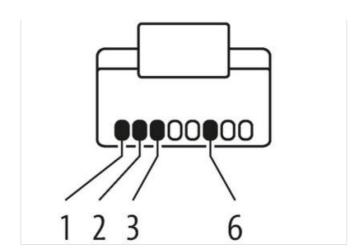






stay connected





Product may differ from Image















Degree of protection (EN IEC 60529)         IP20           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           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765	Cable length	7,5 m
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         Side 2           Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial date         ECLASS-6.0           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           ECLASS-12.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-10.1         4048879550765	Side 1	
Family construction form         M12           Thread         M12 x 1           Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 80529)         IP67           Side 2           Wound in the protection (EN IEC 80529)           Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 80529)         IP0           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0	Tightening torque	0,6 Nm
Thread M12 x 1  Coding D  Material PUR  No. of poles 4  Width across flats SW13  Degree of protection (EN IEC 60529) IP67  Side 2  Mounting method pluggable Family construction form RJ45  Material PUR  No. of poles 4  Degree of protection (EN IEC 60529) IP67  Side 2  Mounting method pluggable Family construction form RJ45  Material PUR  No. of poles 4  Degree of protection (EN IEC 60529) IP20  Commercial data  ECLASS-6.0 27061801  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-11.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ECLASS-11.1 27060307  ECLASS-11.	Mounting method	inserted, screwed
Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           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-11.2         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECIMS-S-10         ECO02599           Customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Family construction form	M12
Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Wound in the protection of the pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           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           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1	Thread	M12 x 1
No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Coding	
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         Wounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Material	PUR
Degree of protection (EN IEC 60529)         IP67           Side 2         Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	No. of poles	
Side 2           Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         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           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply		SW13
Mounting method         pluggable           Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           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         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Degree of protection (EN IEC 60529)	IP67
Family construction form         RJ45           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           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         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Side 2	
Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           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         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	Mounting method	pluggable
No. of poles       4         Degree of protection (EN IEC 60529)       IP20         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       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	Family construction form	RJ45
Degree of protection (EN IEC 60529)   IP20	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         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	No. of poles	4
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  ETIM-5.0 EC002599  customs tariff number 85444290  GTIN 4048879550765  Packaging unit 1  Electrical data   Supply	Degree of protection (EN IEC 60529)	IP20
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       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	Commercial data	
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       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-6.0	27061801
ECLASS-8.0       27060307         ECLASS-9.0       27060307         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-6.1	27060307
ECLASS-9.0       27060307         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-7.0	27060307
ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-8.0	27060307
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-9.0	27060307
ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879550765         Packaging unit       1         Electrical data   Supply	ECLASS-10.1	
ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply		27060307
customs tariff number         85444290           GTIN         4048879550765           Packaging unit         1           Electrical data   Supply	ECLASS-12.0	27060307
GTIN 4048879550765 Packaging unit 1  Electrical data   Supply	ETIM-5.0	EC002599
Packaging unit 1  Electrical data   Supply	customs tariff number	85444290
Electrical data   Supply	GTIN	4048879550765
	Packaging unit	1
Operating voltage DC max. 60 V	Electrical data   Supply	
	Operating voltage DC max.	60 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: 2024-06-26



stay connected

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 fun	ctionality
	•
duplex	Full duplex
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
-	Without
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Locking 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
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	DIV LIV 01070-2-101 (W12)
Installation   Cable	
wire arrangement	white, yellow, blue, orange
Cable identification	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding Cable shielding (type)	4 wires around Core filler twisted
Cable shielding (type)  Cable shielding (coverage)	copper braid, tinned  85 %
Banding (coverage)	85 % Fleece, Foil
Filler	
	yes white, yellow, blue, orange
wire arrangement	
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 % FRNC
Material inner jacket	
Color (inner jacket)	natur

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: 2024-06-26



Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal 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
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation 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 bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m