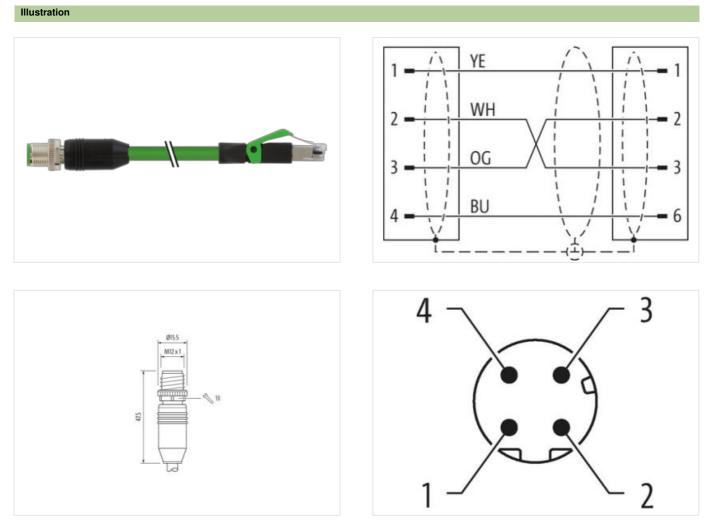


## M12 male 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 31m

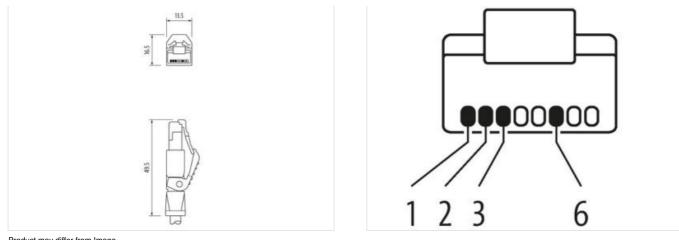
Product fulfills requirements according to UN/ECE R118 Male straight – male straight M12 – RJ45, 4-pole D-coded shielded Ethernet CAT5 Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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Product may differ from Image



Mounting methodinserted, screwedFamily construction formM12Family construction formM12 x 1Cable outletstraightCodingDMaterialPURNo. of poles4Width across flatsSW13Degree of protection (EN IEC 60529)IP67Side 2Mounting methodplugableFamily construction formR.445Cable outletstraightMaterialPURNo. of poles4Cable outletstraightBaterialPURCable outletstraightBaterialPURNo. of poles4Cable outletstraightBaterialPURNo. of poles4Cable outletstraightBaterialPURNo. of poles4Cable outletstraightBaterialPURNo. of poles4ECLASS-6.027061801ECLASS-6.127060307ECLASS-7.027060307ECLASS-7.027060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307ECLASS-7.0.127060307 <trr>ECLASS-7.0.127060307<th>Cable length</th><th>31 m</th></trr>	Cable length	31 m		
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 × 1           Cable outlet         straight           Cable outlet         straight           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           Cable outlet         straight           Material         PUR           No. of poles         4           Subject of protection (EN IEC 60529)         IP20           Commercial data         PUR           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-7.0.1         27060307           ECLASS-7.0.1         27060307 <tr< td=""><td>Side 1</td><td></td></tr<>	Side 1			
Family construction form         M12           Thread         M12 x 1           Cable outlet         straight           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           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         PUR           ECLASS -6.0         27061801           ECLASS -6.1         27060307           ECLASS -6.1         27060307           ECLASS -0.1         27060307           ECLASS -10.1         27060307           ECLASS -10.	Tightening torque	0,6 Nm		
Thread         M12 x 1           Cable outlet         straight           Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2            Mounting method         plugable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-10.1 <t< td=""><td>Mounting method</td><td>inserted, screwed</td></t<>	Mounting method	inserted, screwed		
Cable outlet         straight           Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         Person           Mounting method         pluggable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP87           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP80           Commercial data         Z7060307           ECLASS-6.0         27060307           ECLASS-6.1         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.2         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.2         27060307           ECLASS-8.1.1         27060307           E	Family construction form	M12		
Coding         D           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2	Thread	M12 x 1		
Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         PUR           Mounting method         pluggable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         27061801           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0 <td>Cable outlet</td> <td>straight</td>	Cable outlet	straight		
No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2            Mounting method         plugable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           ECLASS-6.0         27061801           ECLASS-6.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0.1         27060307           ECLASS-8.0.2         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-1.1         27060307           ECLASS-	Coding	D		
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         Participation           Mounting method         pluggable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         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-1.2         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307 <t< td=""><td>Material</td><td>PUR</td></t<>	Material	PUR		
Degree of protection (EN IEC 60529)IP67Side 2IP67Mounting methodplugableFamily construction formRJ45Cable outletstraightMaterialPURNo. of poles4Degree of protection (EN IEC 60529)IP20Commercial data27061801ECLASS-6.027061801ECLASS-6.127060307ECLASS-7.027060307ECLASS-8.027060307ECLASS-10.127060307ECLASS-11.127060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ECLASS-12.027060307ETIM-5.0EC002599customs tariff number85444290GTIN4048879545259Packaging unit1	No. of poles	4		
Side 2           Mounting method         pluggable           Family construction form         RJ45           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           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-10.2         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.1         27060307           ECLASS-14.1         27060307           ECLASS-15.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         40488	Width across flats	SW13		
Mounting method         pluggable           Family construction form         RJ45           Cable outlet         straight           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-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	Degree of protection (EN IEC 60529)	IP67		
Family construction form         RJ45           Cable outlet         straight           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-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	Side 2			
Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           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-9.0         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         85444290           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	Mounting method	pluggable		
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-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	Family construction form	RJ45		
No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         E           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         1           Packaging unit         1	Cable outlet	straight		
Degree of protection (EN IEC 60529)         IP20           Commercial data         27061801           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           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	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-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	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-9.0         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	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       4048879545259         Packaging unit       1	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       4048879545259         Packaging unit       1	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       4048879545259         Packaging unit       1	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         4048879545259           Packaging unit         1	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       4048879545259         Packaging unit       1	ECLASS-8.0	27060307		
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879545259         Packaging unit       1	ECLASS-9.0	27060307		
ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444290         GTIN       4048879545259         Packaging unit       1	ECLASS-10.1	27060307		
ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	ECLASS-11.1	27060307		
customs tariff number         85444290           GTIN         4048879545259           Packaging unit         1	ECLASS-12.0	27060307		
GTIN         4048879545259           Packaging unit         1	ETIM-5.0	EC002599		
Packaging unit 1	customs tariff number	85444290		
	GTIN	4048879545259		
Electrical data   Supply	Packaging unit	1		
	Electrical data   Supply	Electrical data   Supply		

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Operating voltage DC max.	60 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 fun	-
Juplex	Full duplex
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
•	Nickeled
Coating locking .ocking material	Nickeled Zinc die-casting
-	
Mechanical data   Mounting data	
Nounting 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)
Installation   Cable	
vire arrangement	white, yellow, blue, orange
Cable identification	796
acket Color	green
Type of Certificate	cURus
Amount stranding Stranding	1 4 wires around Core filler twisted
Cable shielding (type) Cable shielding (coverage)	copper braid, tinned 85 %
Banding	os % Fleece, Foil
Filler	yes
vire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Aaterial jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Duter-diameter (jacket)	6,7 mm
Folerance outer diameter (sheath)	±5%
	FRNC
Material inner jacket Color (inner jacket)	FRNC natur

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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)	0° 08
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

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