

## M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 55m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

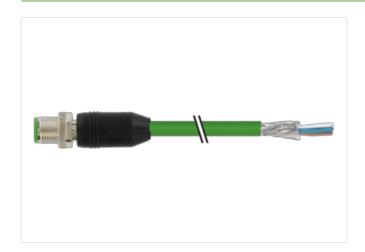
Further cable lengths on request.

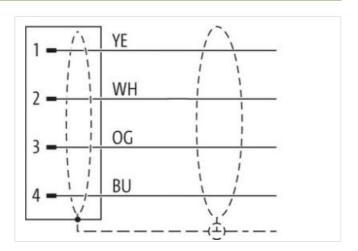
Plastic housings with good resistance against chemicals and oils.

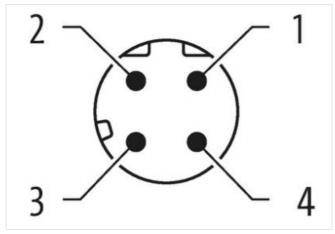
The resistance to aggressive media should be individually tested for your application. Further details on request.

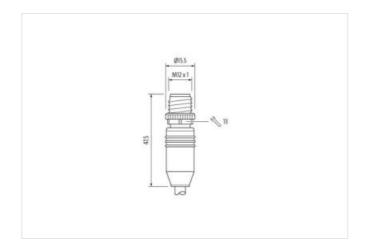
## **Link to Product**

## Illustration









Product may differ from Image













stay connected

Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS 8-0         27061801           ECLASS 7-0         27061801           ECLASS 8-0         27061801           ECLASS 8-0         27061801           ECLASS 8-10.1         27060307           ECLASS 1-1.1         27060307           ECLASS 1-2.0         27060307           ECLASS 1-1.0         EC002599           customs tariff number         85444290           GTIM         4048879485814           Packaging unit         1           Electrical data Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Industrial communication           Industrial communication per contact max.         1,5 A           Industrial communication [Ethernet functional condition per contact max.         10 MBH/s           Industrial communication [Ethernet functional condition per colspan="2">Industrial communication [Ethernet functional condition per colspan="2">Industrial condition protection [Electrical colspan="2">Industrial condition pr	Cable length	55 m
Mouning method   Inserted, screwed	Side 1	
Mouning method   Inserted, screwed	Tightening torque	0.6 Nm
Family contribuction from         M12 x 1           Coding         D           Material         PUR           Width arous filas         SW13           Degree of protection (EN IEC 6020)         IPSS, IPSSK, IPS7           Commercial data           ECLASS 6.0         27061801           ECLASS 7.0         27061801           ECLASS 7.0         27061801           ECLASS 8.0         27081801           ECLASS 9.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.2         27060307           ECLASS 9.2.0         27061801           ECLASS 9.1.1         27060307           ECLASS 9.1.1         47060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         1.5           CALS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           EVER DEVISION 1.0         1.0           Exer		·
Twosd		·
Materials         PUR           With across flats         SW13           Degree of protection (PUEC 69529)         IP65, (P68K, IP67)           Commercial data         PUR           ECLASS 6.0         27061801           ECLASS 7.0         27061801           ECLASS 8.0         27061801           ECLASS 9.0         27061801           ECLASS 9.0         27060907           ECLASS 9.1.1         27060907           ECLASS 9.1.2         27060907           ECLASS 9.0         28060907           ETIMS 9.0         E0002599           CLASS 9.1.1         47060907           ETIMS 9.0         E0002599           CLASS 9.1.1         47060907           ETIMS 9.0         E0002599           GIN         404807944501           Packaging unit         1           Electrical data I Supply         Operating voltage DC max.         60 V           Current operating par contact max.         1.5 A           Industrial communication         1.5 A           Understand communication (Etherred functional)         1.6 Mark           Undustrial communication (Etherred functional)         1.0 Mark           Installation (Connection)         Murity 1 <th< td=""><td></td><td></td></th<>		
Width across flats         SW13           Degree of protection (EN IEC 60529)         IPS, IPBK IPB7           Commercial date         P95, IPBK IPB7           ECLASS 6.0         27061801           ECLASS 8.0         27061801           ECLASS 9.0         27061801           ECLASS 9.0         27063007           ECLASS 10.1         27060307           ECLASS 11.2         27060307           ECLASS 12.0         27060307           CHASS 12.0         27060307           CUASS 12.0         27060307           CUAST 12.0         27060307           CUAST 12.0         27060307           Cuast 12.0         27060307           Cua	Coding	D
Degree of protection (EN IEC 60525)	Material	PUR
Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-9.0         27061801           ECLASS-9.0         27061801           ECLASS-9.0         27060907           ECLASS-1.1         27060907           ECLASS-12.0         27060907           ECLASS-12.0         27060907           ECLASS-12.0         27060907           ECHASS-12.0         27060907           BCHASS-12.0         27060907           ECHASS-12.0         27060907           EVELOPIC CONTRACTOR         1,5 K           Industrial Communication         1,5 KV           Installation   Connection	Width across flats	SW13
ECLASS-6.0   27061801   ECLASS-7.0   27061801   ECLASS-9.0   27061801   ECLASS-9.0   27061801   ECLASS-9.0   27061801   ECLASS-9.0   27060807   ECLASS-10.1   27060907   ECLASS-11.1   27060907   ECLASS-11.2   27060907   ECLASS-12.0   27060907   ETIM-5.0   ECLASS-12.0   27060907   ETIM-5.0   ECLASS-12.0   27060907   ETIM-5.0   ECLASS-13.0   ECLASS-9.0   ECLASS-9.0	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 7.0         27061801           ECLASS 8.0         27061801           ECLASS 9.0         27061801           ECLASS 10.1         27060907           ECLASS 11.1         27060907           ECLASS 12.0         27060907           ETIM-5.0         EC002599           usutoms taff number         85444290           GTIN         4948879485814           Packaging unit         1           Electrical data   Supply         U           Current operating per contact max.         1,5 A           Industrial communication         I           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 80173-1)           Data transmission rate max.         100 MBits           Industrial communication   Ethernet functivality           duplex         Full dulpex           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reted surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Contain [coding         Nickeled           Coasing Orking         nick	Commercial data	
ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-10.1         27060907           ECLASS-11.1         27060907           ECLASS-12.0         27060907           ETIM-5.0         EC002599           usations tarlif number         85444290           GTIN         4048879485814           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5. Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBitis           Industrial communication   Ethernet functionality           duplex         Industrial communication   Ethernet functionality           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Reted surge voltage         1,5 kV           Malerial surge voltage         1,5 kV           Mechanical data   Material data         Nickeled <t< td=""><td>ECLASS-6.0</td><td>27061801</td></t<>	ECLASS-6.0	27061801
ECLASS 9.0         27061801           ECLASS 10.1         27060307           ECLASS 11.1         27060307           ECLASS 12.0         27060307           ETIM-5.0         EC002599           customs tariff number         8544290           GTIN         4048879485814           Packaging unit         1           Electrical data   Supply         Felectrical data   Supply           Operating oper contact max.         1,5 A           Industrial communication         Interpretating per contact max.         1,5 A           Industrial communication         Interpretating per contact max.         100 MBits           Industrial communication   Ethernet functionality         Industrial communication   Ethernet functionality           duplex         Full duplex           Installation   Connection         M1x x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60064-1)         1           Mechanical data   Material data         Vibrate   Contraction   Contract	ECLASS-7.0	
ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444280           GTIN         404879485814           Packaging unit         1           Electrical data   Supply         FUELORISTICAL ORGANISMS (ACCOUNTS)           Operating voltage DC max.         60 V           Current operating per contact max.         1.5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D ((SO/IEC 11801:2002), (EN 50178-1)           Data transmission rate max.         100 MBits           Industrial communication   Ethernet functionality         Full duplex           Installation   Connection         Full duplex           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical percentage         inserted, screwed           Pollution Degree         3           Rated surge voltage         inserted, screwed           Pollution percellade data         Vinctional data   Material data           Contour for corrugated hose         without           Mechanical data   Material data         Zinc d	ECLASS-8.0	27061801
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIMI-5.0         ECOM2599           customs tariff number         85444290           GTIN         4048879485814           Packaging unit         1           Electrical data   Supply           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 functionality           duplex         Full duplex           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Additional condition protection degree         Inserted, screwed           Pollution protection degree         Inserted, screwed           Mechanical data           Mechanical data   Material data	ECLASS-9.0	27061801
ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879485814           Packaging unit         1           Electrical data   Supply         V           Operating voltage DC max.         60 V           Current operating per contact max.         1.5 A           Industrial communication         Industrial communication           Transfer parameters         CATS, Class D ((SC/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBI/s           Industrial communication   Ethernet functivality           duplex         Full duplex           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree inserted, screwed         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         V           Control or corrugated hose without         without           Mechanical data   Material data         Vickeled           Coating locking hitchical data   Material data         Zinc die-casting           Material screw connection   Zinc die-casting         Zinc die-casting     <	ECLASS-10.1	27060307
ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         404879485814           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionally         Full duplex           Installation   Connection         Full duplex           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surpe voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Without           Contur for corrugated hose         without           Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting	ECLASS-11.1	27060307
customs tariff number         85444290           GTIN         4048879485814           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           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 functivality         duplex           Industrial communication   Ethernet functivality           duplex         Full duplex           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         installation   Connection           Pollution Degree         3           Rate surge voltage         1,5 kV           Material group (IEC 60664-1)         In Mechanical data           Mechanical data   Material data           Coating of lifting         Nickeled           Coating of lifting         Nickel plated           Cooking material         Zinc die-casting	ECLASS-12.0	27060307
GTIN         4048879485814           Packaging unit         1           Electrical data   Supply           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 functionality         Industrial communication   Ethernet functionality           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Politution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         Without           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material acrew connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characterist	ETIM-5.0	EC002599
Packaging unit   1   1	customs tariff number	85444290
Pelectrical data   Supply	GTIN	4048879485814
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 functionality 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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating offiting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature min25 °C	Packaging unit	1
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 MBi/s           Industrial communication   Ethernet functional billy           duplex         Full duplex           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Conting locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Poperating temperature min.         <	Electrical data   Supply	
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 MBi/s           Industrial communication   Ethernet functional billy           duplex         Full duplex           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Conting locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Poperating temperature min.         <	Operating voltage DC max.	60 V
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 M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated Locking material  Locking material  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		1,5 A
Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality       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     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data     without       Mechanical data   Material data     without       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       Operating temperature min.     -25 °C       Operating temperature max.     85 °C	Industrial communication	
Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality       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     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data     without       Mechanical data   Material data     without       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       Operating temperature min.     -25 °C       Operating temperature max.     85 °C	Transfer parameters	CAT5 Class D (ISO/IEC 11801:2002) (EN 50173-1)
industrial communication   Ethernet functionality duplex pull duplex installation   Connection  Mounting set M12 x 1  Pevice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Controur for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material		
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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C		
Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material incidental incidences inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	·	i uli uupiex
Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material inchesive voltage nickel plated  Mechanical data   Munting data   Material screw connection Zinc die-casting  Mechanical data   Munting data   Munting data   Munting data   Munting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C	Device protection   Electrical	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C	Pollution Degree	3
Mechanical data Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C		1,5 kV
Contour for corrugated hose without  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  Operating temperature min25 °C  Operating temperature max. 85 °C	Material group (IEC 60664-1)	I
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  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical 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  Operating temperature min25 °C  Operating temperature max. 85 °C	Contour for corrugated hose	without
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  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Material data	
Locking material  Material screw connection  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	Coating locking	Nickeled
Material screw connection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		nickel plated
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C	Environmental characteristics   Climatic	
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
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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: 2024-04-25



stay connected

Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	796
Jacket 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
Filler	yes
wire arrangement	white, yellow, blue, orange
No. of bending cycles (C-track)	3 Mio. @ 25 °C
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%
Material inner jacket	FRNC
Color (inner jacket)	natur
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
Traversing distance (C-track)	5 m @ 25 °C
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
Loop resistance	5000 MΩ × km
Nominal voltage power AC max.	300 V
Electrical capacity line constant (wire - wire) (power)	50000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
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