

## M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 5m

**Ethernet CAT5** Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

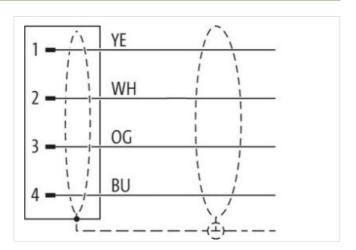
Plastic housings with good resistance against chemicals and oils.

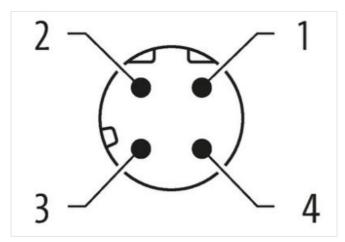
The resistance to aggressive media should be individually tested for your application. Further details on request.

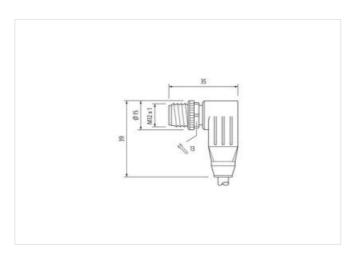
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

5 m



stay connected

	Side 1	
Part	Tightening torque	0,6 Nm
Process   M12 x 1	Mounting method	inserted, screwed
Description	Family construction form	M12
Adaminal PUR Width across files SW13  SUR 2  Stripping Ingrift (dacket) 20 mm  CCLASS 6.0 27061801  CCLASS 6.0 27064907  CCLASS 6.1 27064907  CCLASS 6.1 27064907  CCLASS 6.0 27064907  CCLASS 6.1 27064907  CCLASS 7.1 270	Thread	M12 x 1
Width across flats         SW13           Segree of protection (EN IEC 60529)         IPS6, IPS6K, IPS7           Site 2         Protection (EN IEC 60529)         IPS6, IPS6K, IPS7           Site 2         Stripping longth (jacket)         20 mm           Commercial data           SCLASS-6.1         27068097           SCLASS-6.1         27068097           SCLASS-8.0         27068097           SCLASS-10.1         27068097           SCLASS-11.1         27068097           SCLASS-12.0         270780997 <th< td=""><td>Coding</td><td></td></th<>	Coding	
Degree of protection (EN IEC 60528)         IP65, IP68K, IP67           Side 2         Signify (apcht) (acket)         20 mm           Commercial data           CLASS 6.0         27061801         CCLASS 6.1         27060307           CLASS 7.0         27060307         CCLASS 7.0         27060307           CCLASS 7.0         27060307         CCLASS 7.0         27060307           CCLASS 7.1.1         27060307         CCLASS 7.1.1         27060307           CCLASS 7.1.2         27060307         CCLASS 7.1.1         27060307           ETIMS 0.         EC002599         CCLASS 7.1.1         27060307         CCLASS 7.1.1         27060307         CCLASS 7.1.1         27060307         CCLASS 7.1.1         27060307 </td <td>Material</td> <td></td>	Material	
Side 2           Commercial data         Commercial data           CCASS 8-0         27061801           CCASS 8-1         27060307           CCLASS 8-0         27060307           CCLASS 9.0         27060307           CCLASS 9.0         27060307           CCLASS 1.1.1         27060307           CCLASS 1.1.1         27060307           CCLASS 1.1.1         27060307           CCLASS 1.1.1         27060307           CCLASS 1.2.0         27060307           CCLASS 1.1.1         27		
Stripping length (lacked)   20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           CLASS-6.0         27061801           CLASS-7.0         27060307           CLASS-8.0         27060307           CLASS-8.0         27060307           CLASS-10.1         27060307           CLASS-11.1         27060307           CLASS-11.1         27060307           CLASS-11.1         27060307           CLASS-12.0         27060307           ETIM-5.0         EC002599           STIN         404897405399           Packaging unit         1           Electrical data   Suppty           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Industrial communication         For State transmission rate max.           Industrial communication   Element functionality           Industrial communication   Element functionality           Infectional Connection           Stripping length (socket)         20 mm           Actional condition protection degree         3           Action for corrugated hose         without	Side 2	
CLASS-6.0   27061801   27060307   CLASS-8.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-1.1   27060307   CCLASS-1.1   27060307   CCLASS-1.1   27060307   CCLASS-1.2   27060309   CCLASS-1.2   270603	Stripping length (jacket)	20 mm
ECLASS-6.1 27060307  ECLASS-7.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ECLASS-12.0 ECO02599  ususions tariff number 85444290  STIN 4048879406369  Tarakaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Deparating voltage DC max. 1,5 A  Industrial communication  Transfer parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication   Ethernet functionality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Industrial communication  Experimentarial Communicationality  August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBitrs  Data transmiss	Commercial data	
CLASS-7.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-9.0   27060307   CLASS-10.1   27060307   CLASS-11.1   27060307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0	ECLASS-6.0	27061801
CLASS-8.0   27060307   270603007   2706030	ECLASS-6.1	27060307
CLASS-9.0   27060307	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599  usuloms tariff number 85444290 STIN 4048679406369 Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Departing voltage DC max. 60 V  Industrial communication  Irransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBil/s  Industrial communication   Ethernet functionality  Upupe R	ECLASS-8.0	27060307
ECLASS-1.1.1         27060307           ECLASS-12.0         27060307           ETIMS-5.0         EC002599           sustoms tarff number         85444290           3TIN         4048879408389           Packaging unit         1           Electrical data   Supply         Deparating voltage DC max.           Durrent 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 MBil/s           Industrial communication   Ethernet functionality           Upupex         Full duplex           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Vaditional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Controur for corrupated hose         without           Mechanical data   Material data         Vickeled           Coating of fitting         nickel plated           Cocking material         Zinc di	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC002599           sestotions tariff number         85444290           3TIN         4048879406369           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Durrent operating per contact max.         1,5 A           Industrial communication           Fransfer parameters         CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality           Unplex         Full duplex           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Vollution Degree         3           Rated surge voltage         1,5 kV           Valaterial group (IEC 60664-1)         1           Mechanical data   Material data         Viloud (IEC 60664-1)           Cocking material         Zinc die-casting           Joating of fitting         nickel plated           Joating of fitting         nickel plated           Joacking material         Zinc die-castin	ECLASS-10.1	27060307
ETIM-5.0 EC002599  sustoms tariff number 85444290  STIN 4048879406369  Packaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Surrent operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)  Stata transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Unique Stripping length (jacket) 20 mm  Surrent operating set M12 x 1  Device protection   Electrical  Volution action protection degree inserted, screwed  Pollution Degree 3  Stated surge voltage inserted, screwed  Pollution Degree 3  Stated surge voltage inserted, screwed  Pollution To group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for decasting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	ECLASS-11.1	
automs tariff number         85444290           DaTIN         4048879408369           Packaging unit         1           Electrical data   Supply           Dorrating voltage DC max.         60 V           Dorrating 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           Industrial communication   Ethernet functionality           Industrial communication   Ethernet functionality           Industrial Connection           Industrial Connection           Industrial Connection           Industrial Connection           Industrial Connection           Installation   Connection	ECLASS-12.0	
A contain of the cont	ETIM-5.0	
Packaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Deparating voltage DC max. 1,5 A  Industrial communication  Fransfer parameters CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Buplex Full duplex  Industrial communication   Ethernet functionality  Buplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Depre 3  Palated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Donotor for corrugated hose without  Mechanical data   Material data  Docating locking Nickeled  Docating of fitting nickel plated  Jinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	customs tariff number	
Electrical data   Supply  Operating voltage DC max. 60 V  Ourrent operating per contact max. 1,5 A  Industrial communication  Fransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Outat transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Upplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Alterda surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating of lifting nickel plated  Joacking method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Deperating voltage DC 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  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Alaterial group (IEC 60664-1) 1  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking material 2 inc die-casting  Material screw connection 2 inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	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 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  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 naterial Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Electrical data   Supply	
Industrial communication Fransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication   Ethernet functionality Industrial co	Operating voltage DC max.	60 V
Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication   Ethernet functionality  Juplex Full duplex Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Bated 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  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Current operating per contact max.	1,5 A
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  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 corrugated without  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Industrial communication	
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  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 corrugated without  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Installation   Connection  Stripping length (jacket) 20 mm  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  Jocking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Data transmission rate max.	100 MBit/s
Installation   Connection  Stripping length (jacket) 20 mm  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	Industrial communication   Ethernet fur	ectionality
Installation   Connection  Stripping length (jacket) 20 mm  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	dunlex	Full duplex
Stripping length (jacket) 20 mm  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  Coating material screw connection Zinc die-casting  Mechanical data   Mounting data   Mounting data   Mounting method inserted, screwed, Shaking protection		T dir daplox
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 Coating material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
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  Coating material  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	11 0 0 0 7	
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 Coating material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		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 Coating material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection	Device protection   Electrical	
Acted 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 Coating material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Additional condition protection degree	
Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose without  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Coating material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Mechanical data Contour for corrugated hose without  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Cocking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Rated surge voltage	
Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Atterial screw connection  Mechanical data   Mounting data  Mounting method  without  without  without  without  without  without  Nickeled  Nickeled  Zinc die-casting  Zinc die-casting  without  nickel plated  Zinc die-casting  without  nickel plated  Zinc die-casting  Mechanical data   Mounting data		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	Mechanical data	
Coating locking  Nickeled Coating of fitting  nickel plated Cocking material  Zinc die-casting  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection	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	Mechanical data   Material data	
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	Coating locking	Nickeled
Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Coating of fitting	
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Locking material	·
Mounting method inserted, screwed, Shaking protection	Material screw connection	
Mounting method inserted, screwed, Shaking protection	Mechanical data   Mounting data	
		inserted screwed Shaking protection
Environmental characteristics   Climatic		
	Environmental characteristics   Climation	



stay connected

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	<b>Attention:</b> 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	
	792
Cable identification  Jacket Color	red
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type)	85 %
Banding	Fleece, Foil
Filler	
vire arrangement	yes white, yellow, blue, orange
Fraversing distance (C-track)	5 m @ 25 °C
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Folerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter insulation	± 5 %
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire) Diameter of single wires	7 22 AWG
<u> </u>	
Conductor crosssection (wire)  Material conductor wire	22 AWG
	Stranded copper wire, bare 5000 MΩ × km
oop resistance  Nominal voltage AC max.	300 V
Current load capacity (standard)  Current load capacity min. wire	to DIN VDE 0298-4
Characteristic impedance	4,8 A
Electrical resistance line constant wire	100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	
Power frequency withstand voltage (wire - acket)	50000 pF/km 2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C
Derating temperature (fixed)	-30 °C



Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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
Travel speed (C-track)	3 Mio.
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m