

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

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 24m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

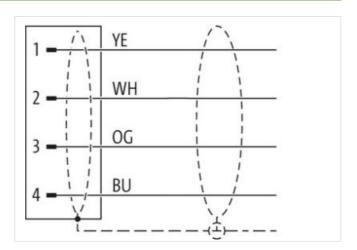
Plastic housings with good resistance against chemicals and oils.

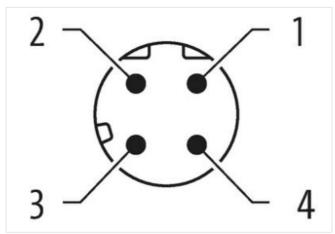
The resistance to aggressive media should be individually tested for your application. Further details on request.

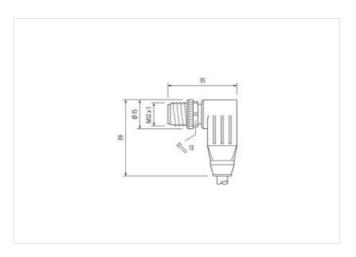
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

24 m



stay connected

Mare ting method   mested, serwed	Side 1	
MIZ	Tightening torque	0,6 Nm
President	Mounting method	inserted, screwed
December	Family construction form	M12
Midit American   Pulis   Width across files   SW13	Thread	M12 x 1
Width across fals         SW13           Degree or protection (EN IEC 60529)         IPSE, IPSER, IPSE           Sike 2         Strepping length (jacket)         20 mm           Commedia data           SELASS 6.0         27961991           ECLASS 6.1         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 9.0         27060907           ECLASS 11.1         27060907           ECLASS 11.1         27060907           ECLASS 12.0         27060907           ECLASS 11.1         27060907           ECLASS 12.0         27060907 <t< td=""><td>Coding</td><td></td></t<>	Coding	
Septe of protection (EN IEC 60529)	Material	
Side 2           Commercial data         Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.1         27060307           ECLASS-14.0         27060307           ECLASS-15.0         E0002599           Elastina staff number         85444290           STIM         4048079512169           Elastina punt         1           Electrical data   Supply           Operating per contact max.         1,5 A           Industrial communication         1           Translet parameters         CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         Industrial communication   Ethernet functionality           duplox         Full duplox           Institution   Connection         Will duplox           Institution   Connection         Min 2 t           Device protection   Etectrical         Additional condition protection degree         3		
Stripping length (lacker)   20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           CLASS-6.0         27061801           CLASS-7.0         27060307           CLASS-7.0         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         404897512169           Packaging unit         1           Electrical data   Suppty           Purent operating per contact max.         1,5 A           Industrial communication         Fransfer parameters           Transfer parameters         CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)           Salat arasmission rate max.         100 MBt/s           Industrial communication   Ethernet functionality           Stripping length (lacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Midditional condition protection degree         3           Palated surge voltage         1,5 kV           Made surge voltage         1,5 kV           Made surge voltage (Bostel)         1,5 kV <t< td=""><td>Side 2</td><td></td></t<>	Side 2	
CLASS-6.0   27061801   27060907   CLASS-8.0   27060907   CCLASS-8.0   27060907   CCLASS-8.0   27060907   CCLASS-9.0   27060907   CCLASS-9.0   27060907   CCLASS-9.0   27060907   CCLASS-9.0   27060907   CCLASS-10.1   27060907   CCLASS-11.1   27060907   CCLASS-11.1   27060907   CCLASS-12.0   CCLASS-12	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-12.0 27060307  ECLASS-12.0 27060307  ECLASS-12.0 27060307  ECLASS-12.0 27060307  ECLASS-13.1 27060307  ECLASS-13.1 27060307  ECLASS-14.0 ECO02599  SUSTOM 4048879512169  TO AND	Commercial data	
ECLASS 7.0 27060307  ECLASS 8.0 27060307  ECLASS 9.0 27060307  ECLASS 9.0 27060307  ECLASS 9.0 27060307  ECLASS 9.1 27060307  ECLASS 9.1 27060307  ECLASS 9.1 27060307  ECLASS 9.1 27060307  ETIM 5.0 ECO25599  sustoms fariff rumber 85444290  3Th 4048879512169  Packaging unit 1  Electrical data   Supply  Packaging port 1 1  Electrical data   Supply  Departing voltage DC max. 60 V  Durent operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Tata transmission rate max. 100 MBits  Industrial communication   Electrical transmission rate max. 100 MBits  Industrial communication   Electrical transmission rate max. 100 MBits  Unique Report	ECLASS-6.0	27061801
CLASS-8.0   27060307	ECLASS-6.1	27060307
ECLASS-9.0         27060307           CLASS-9.0.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           Subtoms staff number         85444290           3TIN         404887512169           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           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 MBit/s           Industrial communication   Ethernet functionality           duplex           Full duplex           Institution   Connection           Stripping length (jacket)         20 mm           Modurating set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         inserted, screwed           Ontour for corrug	ECLASS-7.0	27060307
ECLASS-10.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           sustoms tariff number         85444290           3TIN         404887951269           ***Packaging unit         1           Electrical data   Supply           ***Durrent operating per contact max.         60 V           ***Durrent operating per contact max.         60 V           ***Industrial communication           ***Industrial communication           ***Industrial communication   Ethernet functionality           **Industrial communication   Ethernet functionality	ECLASS-8.0	27060307
ECLASS-1.1.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           sustoms tarff number         85444290           3TIN         4048879512169           Packaging unit         1           Electrical data   Supply         Deparating voltage DC max.           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters           Cart framminission rate max.         100 MBil/s           Industrial communication   Ethernet functionality           Stripping length (lacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical Additional condition protection degree         3           Pollution Degree         3           3alaed suge voltage         1,5 kV           Methanical data         Vincer corrugated hose           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC002599           subtoms tariff number         85444290           3TIN         4048879512169           Packaging unit         1           Electrical data   Supply           Deperating voltage DC max.         60 V           Current 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 functional industrial condition protection   Electrical           Stripping length (jacket)         20 mm           Meditional condition protection degree         inserted, screwed           Stripping length (jacket)         20 mm           Meditional condition protection degree         inserted, screwed           Stripping length (jacket)         3           Rated surge voltage         1,5 kV           Valuation protection degree         inserted,	ECLASS-10.1	27060307
ETIM-5.0 EC002599  20stors tariff number 85444290  20TIN 4048879512169  20cataging unit 1  Electrical data   Supply  Coparating voltage DC max. 60 V  20ment operating per contact max. 1,5 A  Industrial communication  Fransfer parameters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)  20cata transmission rate max. 100 MBit/s  Industrial communication   Ethernet functivality  duplex Full duplex  Industrial communication   Ethernet functivality  duplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Validional condition protection degree inserted, screwed  Pollution Degree 3  2atade suge voltage 1,5 kV  Material 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  Coating of fitting nickel plated  Loacking material Zinc die-casting  Material group contour data   Mounting data  Mounting method inserted, screwed, Shaking protection	ECLASS-11.1	27060307
bustoms tariff number         85444290           DaTIN         4048879512169           Packaging unit         1           Electrical data   Supply         Departing voltage DC max.         60 V           Deparating voltage pC 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           Industrial communication   Ethernet functionality           duplex         Full duplex           Industrial communication   Ethernet functionality           duplex         Full duplex           Industrial communication   Ethernet functionality         Full duplex           Understand (Sectional Condition of Connection   Electrical Condition (Connection Connection Connecti	ECLASS-12.0	
Additional condition protection degree   1.5 kV	ETIM-5.0	
Packaging unit 1  Electrical data   Supply  Derating voltage DC max. 60 V  Derating 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  Juliplex 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  Douting fitting incikel plated  Douting locking Nickeled  Douting of fitting incikel plated  Junc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	customs tariff number	
Electrical data   Supply  Derating 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  Upuplex 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  Paled surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Sirve Connection  Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Operating 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 functionallity  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) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking inserted   Zinc die-casting  Material screw connection   Zinc die-casting  Methanical data   Mounting data  Mounting method 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  Fransfer 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 Nickeled  Coating locking anaterial Zinc die-casting  Metanical 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 Buylex Full duylex Installation   Connection Stripping length (jacket) 20 mm Wounting 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 T  Mechanical data Contour for corrugated hose without  Mechanical data   Material data Contour for corrugated hose without  Mechanical data   Material data   Material data Contour for diffing nickel plated Cocking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection	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  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 Methanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Mechanical 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  druplex 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 would 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  druplex 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 would 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  Jackel plate	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 Contour for corrugated hose without  Mechanical data   Material data Contour for fitting nickel plated Coating locking Nickeled Coating locking 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 Contour for corrugated hose without  Mechanical data   Material data Contour for fitting nickel plated Coating locking Nickeled Coating locking 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  Locking material screw connection Zinc die-casting  Mechanical 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  Locking material  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 zinc die-casting  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	
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 Cocking 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 Cocking material Zinc die-casting Methanical data   Mounting data  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  Zoating of fitting nickel plated  Zinc die-casting  Mechanical data   Mounting data  wounting method  inserted, screwed, Shaking protection		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 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   Climatic	



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	
·	700
Cable identification	793
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	90 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PE .
Amount wires	4
Outer diameter insulation	1,6 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
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 % MHz
Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° 08 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	4 Mio.
Torsion stress	± 180 °/m