

## M12 female 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 13m

**PROFIBUS** 

Female straight

M12, 2-pole

B-coded

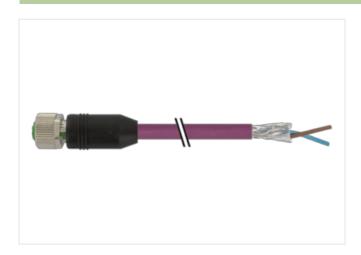
shielded

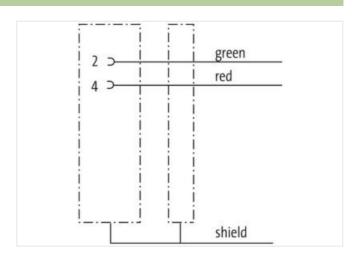
Plastic housings with good resistance against chemicals and oils.

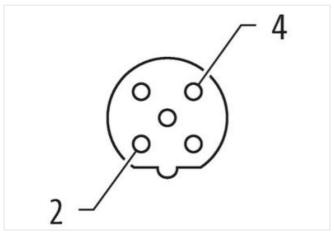
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

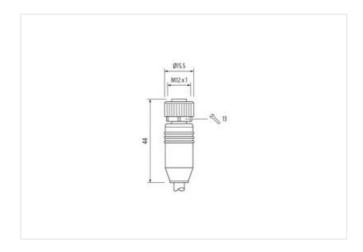
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

13 m

Side 1



stay connected

Mounting method	Tightening torque	0,6 Nm
Family construction form         M12 r 1           Trinead         M12 x 1           Cading         B           Material         PUR           Width acons fists         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Side 2           Commercial data           ECLASS 6.0         27061801           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.2         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 12.0         27001855           Outside staff number         8644290           GTIN         4048679548030           Parakaging unit         1           Encircial data [Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL list	Mounting method	inserted, screwed
Coding         B           Mulatorial         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         PR6, IP66K, IP67           Stripping length (jacker)         20 mm           Commercial data           ECLASS 6.0         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 9.1         27060007           ECLASS 9.0         27060007           ECLASS 9.1         27060007           ECLASS 10.1         27060007           ECLASS 11.0         27060007           ECLASS 12.0         27060007           Packaging unit         1           Electrical data   Supply         1           Percenting voltage AC max.         60 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)		M12
Material         PUR           Witch across fatis         SW13           Obgress of proteition (ENIEC 60259)         PRS, F06K, IP67           Side 2         PROTEIN (Market)         20 mm           Commercial data         PROTEIN (Market)         PROTEIN (Market)           ECLASS-6.0         27060307         PROTEIN (Market)           ECLASS-7.0         27060307         PROTEIN (Market)           ECLASS-8.0         27060307         PROTEIN (Market)           ECLASS-10.1         27060307         PROTEIN (Market)           ECLASS-11.2         27060307         PROTEIN (Market)           ECLASS-12.0         27060307         PROTEIN (Market)           ETIM-5.0         ECO1855         Packaging unit         1           Electrical data I Supply         Packaging unit         1           Operating voltage AC max.         60 V         Proteining voltage AC max.         60 V           Operating voltage AC max.         60 V         Proteining voltage AC (IIIsted)         30 V           Operating voltage AC max.         60 V         Proteining voltage AC (IIIIsted)         30 V           Operating voltage AC (IIIIsted)         30 V         Proteining voltage AC (IIIIsted)         30 V           Operating typing by (facket)	Thread	M12 x 1
Width across flats         SW13           Dagree of protection (EN IEC 60529)         IP65, P66K, IP67           Strice 2         Stropping length (lacker)         20 mm           Commercial data           ECLASS-6.1         27063007           ECLASS-6.1         27063007           ECLASS-8.0         27063007           ECLASS-9.0         27063007           ECLASS-9.1         27063007           ECLASS-1.1         27063007           ECLASS-1.2         27063007           ECLASS-1.1         27063007           ECLASS-1.2.0         27063007           ECLASS-1.1.1         27063007           ECLASS-1.2.0         27063007           ECLASS-1.2.0         27063007           ECLASS-1.2.0         27063007           ECLASS-1.2.0         27063007           ECLASS-1.2.0         27063007           Packaging unit         1           Electrical data I Suppty           Packaging voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC TUL islated)         30 V           Current operating per contact max.         4 A           Installation Connection <td>Coding</td> <td>В</td>	Coding	В
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Commercial data         20 mm           ECLASS-6.0         2706 I801           ECLASS-6.1         27063007           ECLASS-7.0         27063007           ECLASS-8.0         27063007           ECLASS-9.0         27063007           ECLASS-9.0         27063007           ECLASS-1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.1.2         27060307           ECLASS-1.1.3         27060307           ECLASS-1.1.4         27060307           ECLASS-1.2.0         27060307           ETIM-5.0         EC001855           CLASS-1.2.1         27060307           ETIM-5.0         EC001855           CLASS-1.2.0         27063007           ETIM-5.0         EC001855           CLASS-1.2.1         37060307           ETIM-5.0         EC001855           CLASS-1.2.0         27063007           ETIM-5.0         EC001855           CLASS-1.2.1         37060007           ETIM-5.0         EC001855           CLASS-1.2.1         370600007           CLASS-1.2.1         37060000000	Material	PUR
Side 2           Stripping length (jacket)         20 mm           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           CELASS-12.0         27060307 <t< td=""><td>Width across flats</td><td>SW13</td></t<>	Width across flats	SW13
Stripping length (jacket)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 10.1         27060307           ECLASS 11.1         27060307           ECLASS 12.0         27060307           ETIM-5.0         E0001855           customs tariff number         85444290           GTIN         40487944830           GTIN         404879454830           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         Nickeled           Coating locking         Nickeled	Side 2	
ECLASS-6.0 2706/801 ECLASS-8.1 2706/307 ECLASS-9.0 2706/307 ECLASS-9.0 2706/307 ECLASS-9.0 2706/307 ECLASS-9.0 2706/307 ECLASS-11.1 2706/307 ECLASS-12.0 2706/307 ECLASS-10.1 2706/307 ECLAS-10.1 2706	Stripping length (jacket)	20 mm
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           ETM-5.0         EC001855           customs tariff number         65444290           GTM         4048879548830           Packaging unit         1           Electrical foat   Supply           Operatiny voltage AC max.         60 V           Operatiny voltage AC max.         60 V           Operatiny voltage AC (UL-listed)         30 V           Operatiny voltage AC (UL-listed)         30 V           Operatiny object (Listed)         30 V           Operatiny (Listed)         20 mm           Mourting set         M12 x 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           ETM 5.0         EC001855           customs tariff number         85444290           GTIN         404887954830           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max.         4 A           Installation   Connection         30 V           Stripping longth (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Politation Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 6064-1)         1           Mockanical data   Material data         Zinc die-casting </td <td>ECLASS-6.0</td> <td>27061801</td>	ECLASS-6.0	27061801
ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         17060307           ECHASS-17.0         ECO01855           customs tariff number         85444290           GTIN         4048879548830           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (U-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage DC (U-listed)         30 V           Operating porting per contact max.         4 A           Installation Connection           Stripping length (jacket)           Multiple per (jacket)           Additional condition protection degree           Inserted, screwed           Pollution Degree           Additional condition protection degree           Inserted, screwed           Pollution Degree           Rated surge voltage         1,5 kV           Material str	ECLASS-6.1	27060307
ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879548330           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating post post post (Listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         30 V           Operating longth (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60664-1)         I           Mechanical data   Material data         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting	ECLASS-7.0	27060307
ECLASS-10.1 27069307 ECLASS-11.1 27069307 ECLASS-12.0 27069307 ETIM-5.0 EC03055 customs tariff number 85444290 GTIN 4048879548830 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC max. 4 A Installation   Connection Siripping length ((acket) 20 mm Mounting set M12 x 1  Pevice protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage AC (IUL-listed) 1.5 kV Material group (IEC 66664-1) 1  Mechanical data   Material data Coating locking material 2 inc die-casting Methanical data   Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Coperating temperature min25 °C Operating temperature min25 °C Additional condition temperature range depending on cable quality Conformity	ECLASS-8.0	27060307
ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIMS-0         EC001855           Customs tariff number         85444290           GTIN         4048879548830           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method         inserted, screwed, Shaking protection	ECLASS-9.0	27060307
ECIASS-12.0         27060307           ETIM.5.0         EC001855           Customs tarriff number         85444290           GTIN         4048878548830           Packaging unit         1           Electrical data   Supply         1           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Virial memory of the per contact max.           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   Material data         Coating locking         Nickeled           Coating locking         Nickeled         Coating locking         Nickeled           Coating of fitting         nickel plated         Locking material         Zinc die-casting           Mechanical data   Moun	ECLASS-10.1	27060307
ETIM-5.0 EC001855  customs tariff number 85444290 GTIN 4048879548830 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating overlage pc contact max. 4 A  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 60684-1) 1  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc dis-casting  Material screw connection Zinc dis-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Contormity	ECLASS-11.1	27060307
customs tariff number 85444290 GTIN 4048879548830  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC max. 60 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical	ECLASS-12.0	27060307
RTIN	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Operating voltage DC max. 60 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 4 A  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   Material data  Coating locking Nickeled  Coating offiting 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  Coperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity	customs tariff number	85444290
Electrical data   Supply	GTIN	4048879548830
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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   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 temperature range depending on cable quality  Conformity	Operating voltage DC (UL-listed)	30 V
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   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 temperature range depending on cable quality  Conformity	Current operating per contact max.	4 A
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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   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 temperature range depending on cable quality  Conformity	Stripping length (jacket)	20 mm
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  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  Additional condition temperature range depending on cable quality  Conformity	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 1,5 kV  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  Additional condition temperature range depending on cable quality  Conformity	Device protection   Electrical	
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Material group (IEC 60664-1)  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 min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality  Conformity		1,5 kV
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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 temperature range depending on cable quality  Conformity	Mechanical data   Material data	
Locking material  Zinc die-casting  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality  Conformity	Coating locking	Nickeled
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 temperature range depending on cable quality  Conformity	Coating of fitting	nickel plated
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity	Mechanical data   Mounting data	
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Conformity	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Conformity	Operating temperature min.	-25 °C
Conformity	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality
Product standard DIN EN 61076-2-101 (M12)	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)



stay connected

Installation   Cable	
Cable identification	841
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	red, green
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	70,4 g/m
Material jacket	PUR
Shore hardness jacket	87 ± 3 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,7 mm
Tolerance outer diameter (sheath)	± 5 %
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	60 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	72,2 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Electric capacitance (power)	29000 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)	-20 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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)	7,5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter