

## M12 female 90° A-cod. with cable shielded

PVC 3x0.34 shielded gy UL/CSA 20m

Female 90° M12, 3-pole shielded A-coded

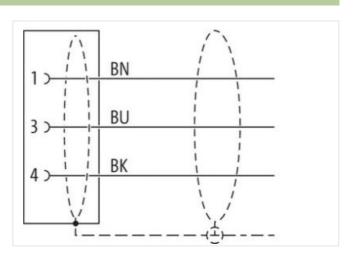
Plastic housings with good resistance against chemicals and oils.

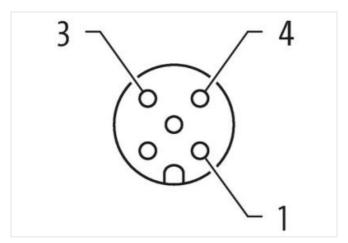
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

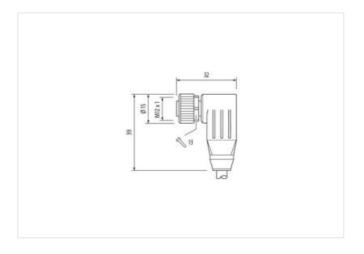
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

20 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-04



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
	20 mm
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879435888
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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)	
	·
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
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)

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: 2024-05-04



## stay connected

Jacket Color	Installation   Cable	
Janelet Color	Cable identification	317
Amount stranding 3 wires twisted  Stranding factor min, 40 mm  Cable shielding (overage) 85 %  Banding Fiseon, Foil  Fiseo		grav
Stranding         3 wires twisted           Stranding factor min.         40 mm           Stranding factor max.         40 mm           Cable shielding (coverage)         65 %           Barding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weight         56.1 g/m           Material jacket         PVC           Shore hardness jacket         80 + 5 Shore A           Freedom from ingredients (jacket)         1,9 mm           Tolerance outer diameter (jacket)         5,9 mm           Tolerance outer diameter (jacket)         5,9 mm           Tolerance outer diameter (jacket)         5,9 mm           Outer diameter insulation         PVC           Amount wires         3           Outer diameter insulation         PVC           Amount wire swire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3 Shore A           Ingredient fiveness wire insulation         9 0 ± 3		
Stranding factor min.		3 wires twisted
Stranding factor max.		
Cable shielding (roverage)         85 %           Banding         Fleece, Foll           wire arrangement         brown, black, blue           Cable weight         56,1 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead free, cadmium free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter (sheath)         ± 5 %           Material wire insulation         1,4 mm           Outer diameter (sheath)         ± 5 %           Material wire insulation         1,4 mm           Outer diameter (sheath)         ± 5 %           Material wire insulation         1,4 mm           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1,4 mm           Outer diameter (sheath)         ± 5 %           Jamount wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         19           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire		
Cable shielding (coverage)         85 %           Banding         Fieces, Foil           wire arrangement         brown, black, blue           Cable weigth         56,1 g/m           Material jacket         PVC           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         5,9 mm           Tolerance outer diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         2,5 %           Material wire insulation         1,4 mm           Outer diameter insulation         1,4 mm           Outer diameter insulation         99.1 3 Shore A           Ingredient freeness wire insulation         99.2 3 Shore A           Ingredient freeness wire insulation         99.3 3 Shore A           Ingredient freeness wire insulation         19.9           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Strand class 5           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Current load capacity min. wire         6 A           Electrical resistance in constant wire         57 Okm @ 20 °C		copper braid, tinned
Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weight         56, 1g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         5,9 mm           Counce diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,4 mm           Under diameter insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A	0 ()1 /	
wire arrangement         brown, black, blue           Cable weight         56,1 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         1,4 mm           Outer diameter tolerance core insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Conductor of Single wires         0,15 mm           Conductor of Single wires         0,15 mm           Conductor or ossection (wire)         93 4 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)		
Cable weight         56,1 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         1.5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of siling wires         0,15 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Stranded copper wire, bare           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         10 IN VDE 0298-4           Current load capacity wink. wir		
Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tollerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         1.4 mm           Outer diameter tolerance core insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation         9 ± 3 Shore A           Ingredient freeness wire insulation		
Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor vire         Old Amm²           Material conductor wire         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         10 IN VDE 0298-4           Current load capacity (standard)         10 IN VDE 0298-4           Oursel resistance line constant wire         57 Qkm 20 °C           AC withstand voltage (wire - shield)         1,5 kV @ 60 s		<del>-</del>
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 0km @ 20 °C           AC withstand voltage (wire - shield)         1,5 kV @ 60 s <tr< td=""><td></td><td></td></tr<>		
Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity inis wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s		
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Quiter diameter insulation 1,4 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 3 Shore A  Ingredient freeness wire insulation 90 ± 3 Shore A  Shore hardness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 19  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (static) 40 °C  Operating temperature min. (dynamic) 50 °C  Operating temperature min.		
Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %.           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Stranded lass 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - sinield)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C		· · · · · · · · · · · · · · · · · · ·
Amount wires         3           Outer diameter insulation         1,4 mm           Outer diameter loterance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded opper wire, bare           Conductor type (wire)         Stranded opper wire, bare           Conductor type (wire)         Stranded loss 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - siled)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (fixed)         40 °C           Max. operating temperature (sixed)         40 °C <td>Material wire insulation</td> <td></td>	Material wire insulation	
Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         57 O/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         60 °C           Flame resistance         UL	Amount wires	
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (statcd)         40 °C           Max. operating temperature (statcd)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance	Outer diameter insulation	
Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0.34 mm²           Makerial conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing           Co	Outer diameter tolerance core insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 19  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) 57 \( \times \text{W} \times \text{0} \times 0 \tim		
Amount strands (wire) Diameter of single wires O,15 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand deass 5  Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) OUT of DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 \( \Omega \text{/km} \) \( \omega \text{ of 6} \) s  Electrical resistance line constant wire 1,5 kV \( \omega \text{ of 6} \) s  AC withstand voltage (wire - wire) 1,5 kV \( \omega \text{ of 6} \) s  AC withstand voltage (wire - shield) 1,5 kV \( \omega \text{ of 6} \) s  AC withstand voltage (wire - shield) 1,5 kV \( \omega \text{ of 6} \) s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) 5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 \( \frac{1}{2} \) 110 FT2   UL 1581 \( \frac{1}{2} \) 190    EC 60332-2-2  chemical resistance Good, application-related testing  Gli resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter		
Diameter of single wires  O,15 mm  Conductor crosssection (wire)  O,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Max. rated voltage (conductor - conductor)  Max. rated voltage (conductor - ground)  OUTHOR LOAD CONTROLL (Standard)  OUTHOR LOA		
Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         DIN EN 60811-404   Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing		0.15 mm
Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter		<del>`</del>
Conductor type (wire)       Strand class 5         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - spiacket)       1,5 kV @ 60 s         AC withstand voltage (wire - shield)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   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)       10 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - conductor)  Max. rated voltage (conductor - ground)  Max. rated voltage (conductor - ground)  Max. rated voltage (conductor - ground)  Soo V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  6 A  Electrical resistance line constant wire  S7 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Power frequency withstand voltage (wire - shield)  1,5 kV @ 60 s  AC withstand voltage (wire - shield)  1,5 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  10 x Outer diameter	Conductor type (wire)	
Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 10 x Outer diameter		500 V
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter		300 V
Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - incident of the properties of the proper	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Power frequency withstand voltage (wire - incident of the properties	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  1,5 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   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)  10 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - shield) AC withstand voltage (wire shield) AC withstand vol	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   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)  10 x Outer diameter	Power frequency withstand voltage (wire - jacket)	
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  10 x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic)  80 °C Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   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)  10 x Outer diameter	Min. operating temperature (static)	
Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   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) 10 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   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) 10 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
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) 10 x Outer diameter	Operating temperature max. (dynamic)	0° 08
Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter