

M12 female 90° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 1.5m

Female 90°

M12, 12-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

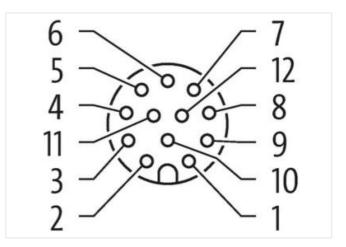
The resistance to aggressive media should be individually tested for your application. Further details on request.

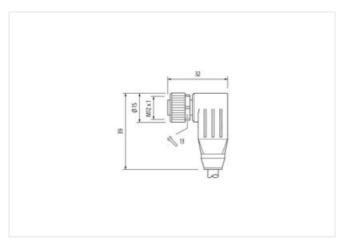
Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image











Cable length

1,5 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: 2024-06-22



Mounting method inserted, screwed Family construction form M12 Coding Α Material PUR No. of poles 12 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 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 4048879292566 Packaging unit Electrical data | Supply Operating voltage AC max. 30 V 30 V Operating voltage DC max. Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Installation | Connection M12 x 1 Mounting set Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Mechanical data | Material data Coating locking Nickeled Coating of fitting nickel plated Zinc die-casting Locking material Material screw connection Zinc die-casting Mechanical data | Mounting data inserted, screwed, Shaking protection Mounting method Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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)

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Installation | Cable

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stay	connected
stuy	connecteu

Material jacket PUR Shore hardness jacket St. ± Shore A St. ± Shore A Freedom from ingredients (jacket) Freedom from ingredients (jacket) 7 mm Tolerance outler diameter (sacket) 7 mm Tolerance outler diameter (shealth) ± 5 % Shore A Tolerance outler diameter (shealth) ± 5 % Shore D Tolerance outler diameter insulation PP Annount wires 12 Duter diameter insulation 1.25 mm Duter diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Annount strands (wire) 32 Diameter of single wires 0.1 mm Donductor or crosssection (wire) 0.25 mm² Diameter of single wires 0.1 mm Donductor vire Stranded copper wire, bare Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) DIN VDE 0298-4	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Type of Certificate CURus Amount stranding 1 Stranding 3 wires twisted Annount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Blanding Flooce wire a rangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weight 63.3 g/m Matterial jacket PUR Shore hardness jacket 85.5 Shore A Freedom from ingredients (glacket) 7 mm Tolerance outer diameter (shealth) 1.5 % Marterial wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,5 % None hardness wire insulation 1,5 % Outer diameter (binater (binater) 2,5 % Br	Cable identification	301
Anount stranding 1 Stranding 3 wires twisted Anount stranding (type 2) 1 Stranding (type 2) 9 swies around Stranding combination twisted Banding Fleece wire arrangement gray-prink, violat, red-blue, brown, red, gray, black, yellow, pirik, green, white, blue Cable weight 69,3 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 5 shore A Freudom from ingredients (jacket) 15 shore A Freudom from ingredients (jacket) 7 mm Tolierance outer diameter (jacket) 2 shore A Material problem of the shore outer diameter (jacket) 17 mm Tolierance outer diameter (jacket) 2 shore A Material wire insulation PP Anount wires 12 Outer diameter insulation PP Anount wires 12 Outer diameter insulation 5 shore 0 Ingredient freeness wire insulation 18 shore (jacket) 2 shore 0 Ingredient freeness wire insulation 18 shore 18 shore 0 Shore hardness wire insulation 18 shore 18 shore 0 Ingredient freeness wire insulation 18 shore 0 Shore 18 shore 0 Ingredient freeness wire insulation 18 shore 0 Shore 18 shore 0 Ingredient freeness wire insulation 18 shore 0 Shore 18 shore 0 Ingredient freeness wire insulation 18 shore 0 Ingredient freeness wire ins	Jacket Color	gray
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Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleace wire arrangement gray plink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weight 69.3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from Ingredients (jacket) 1 lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free Under-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 5 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D	Amount stranding	1
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Banding Fleece wire arrangement gray pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weighh 69,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Under diameter insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 32 ± 2 Diameter of single wires 0,1 mm Conductor crosssection (wire) 32 ± 2 Diameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Nominal vollage AC max 300 V Current load capacity (sternature) 7	Amount stranding (type 2)	1
wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weight 69,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Ingredient freeness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Ingredient freeness wire insulation 1,25 mm Ingredient freeness wire insulation 80 ± 5 Shore D Ingredient freeness wire insulation 1,5 % Shore hardness wire insulation 1,5 km Obstrain stands (wire) 32 Diameter of single wires 0,1 mm Conductor orisosacción (wire) 9,25 mm² Material volution (wire) 1,5 k	Stranding (type 2)	9 wires around Stranding combination twisted
Cable weight 69.3 g/m Material jacket PUR Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Material wire insulation PP Amount wires 12 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.25 mm Ungredient reeness wire insulation ± 5 % Shore b Imperdient reeness wire insulation 3 2 Diameter of single wires 3 2 Diameter of single wires 0,1 mm Conductor crossection (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) strand class 6 Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Guitaria (standard) <	Banding	Fleece
Material jacket	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Shore hardness jacket 85 ± 5 Shore A	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Annount wires 12 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrica resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Incharring temperature (static)	Material jacket	PUR
Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter Insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Okm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 800000 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 80 °C Operating temperature min. (d	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor of single wires 0,1 mm Conductor (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 1,5 kV @ 60 s Electrica resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire vire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire vire) 1,5 kV @ 60 s Biackel) 50 °C Operating temperature (static)	Outer-diameter (jacket)	7 mm
Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (mix (dynamic) 2-0 °C Operating temperature mix. (dynamic) 80 °C Flame resistance Good, application-related testing	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric apacitance 80000 pF/km Power frequency withstand voltage (wire - injacket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Operating temperature min. (dynamic) -20 °C Operating temperature min. (dynamic) -20 °C Patient resistance Good, application-related testing Gasoline resistance Good, appli	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor cosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN DE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1.5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - included to the constant wire) 1.5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 30 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 30 °C Flame resistance UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2 che	Amount wires	12
Shore hardness wire insulation Ingredient freeness wire insulation Ingredient free, clercheness ingredient free, click on a page of the pa	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 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 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -20 °C Chemical resistance UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (fixed) 3 Mio. @ 25 °C horizontal	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - gacket) 1,5 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) 80 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 × Outer diameter <td>Shore hardness wire insulation</td> <td>50 ± 5 Shore D</td>	Shore hardness wire insulation	50 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - ajacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 15 x Outer diameter Bending radius (dynam	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - included apacety) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature min. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1.5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - ajacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal Traversing distance (C-track) 5 m @ 25 °C horizontal	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max. Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - incident of the standard) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 20 °C Operating temperature max. (dynamic) Flame resistance Cood, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Conductor type (wire)	strand class 6
Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C I naversing distance (C-track) 5 m @ 25 °C horizontal	Current load capacity min. wire	3 A
Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 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) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Electrical resistance line constant wire	76 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Oil 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
I,5 KV @ 60 S Min. operating temperature (static) Max. operating temperature (fixed) Max. operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Electric capacitance	80000 pF/km
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal		1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature min. (dynamic)	-20 °C
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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature max. (dynamic)	80 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (fixed)	10 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	3 Mio. @ 25 °C
Travel speed (C-track) 2 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C horizontal
	Travel speed (C-track)	2 m/s @ 25 °C