

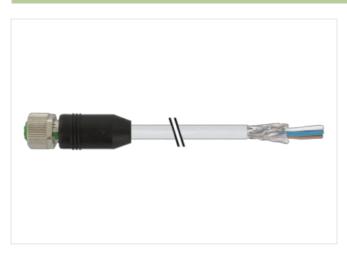
M12 female 0° A-cod. with cable shielded

PUR 8x0.25 shielded gy UL/CSA+drag ch. 10m

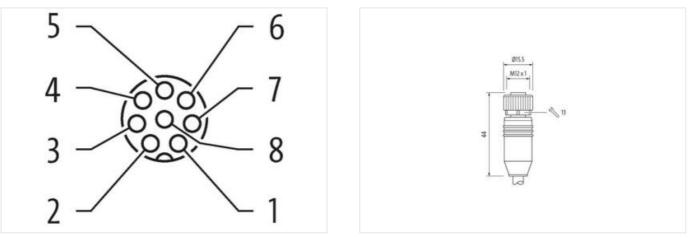
Female straight M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration



1	BN	1
	WH	
	BU	
	BK	
	GY	
	PK	
	VT	
	OG	\ /
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Product may differ from Image



10 m

0,6 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-18

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Material contact	Copper alloy
Material	PUR
No. of poles	8
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	4048879195584
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	2 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
•	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 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 Climati	c
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
mation in this Product PDE has been compiled with	

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Cable Type 3 Locket Color gray Type of Certitotate gray Amount stranding 1 Stranding 8 wires around Core Iller Welded Cable shelding (type) oopper braid, timed Cable shelding (type) 00 % Banding Fleece, Fol Filler yes wire arrangement brown, carage, volet, pink, gray, black, blue, whle Cable shelding (type) 02 § % Shore Indross jacked 90 § 5 Shore A Freedom from ingradients (lacket) lack free, cacimum-free, CFC-free, halogen-free, silicone-free Cable weight 7.48 grin Amount weig 8 Cable diamiter indication PP Amount weis 8 Outer diamiter indication 12 \$ % Shore Indication in gradient indication 12 \$ % Garin distanose (wires	Cable identification	294
Type of Cartificate cuRus Arnout training 1 Arnout training 1 Stranding 9 Stranding 9 Cable shieking (covrage) 89 Banding Filer Wes 74.8 g/m Material jacket PUR Shore hardness jacket 90.1 5 Shore A Freedon from ingredients (jacket) 90.1 5 Shore A Freedon from ingredients (jacket) 10.4 staffiel jacket Outer diameter (jacket) 7 mm Tolerance outer diameter (sheath) 5 % Material jacket 8 Outer diameter (instaffiel) 1.2 mm Outer diameter insulation 1.2 mm Conductor traves 0.1 mm Conductor traves 0.1 mm Conductor traves 0.1 mm Conductor type (wine) 3.2 mm² Material		3
Amount stranding 1 Stranding 8 wires around Core filter twisted Cable shelding (type) cooper traid, tinned Cable shelding (coverage) 80 % Banding Fleere, Foll Filter yes wire arrangement brown, orange, violet, pix, gray, black, blue, white Cable weigh 74.8 g/m Material jocket PUR Shore hardness glock 90.5 Shore A Freedom from ingredients (jacket) lead rise, cadmium free, CFC free, halogen-free, silicone-free Outer-diameter (glocker) 7 nm Tolerance outer diameter (sheath) 5 % Material instation PP Amount wices 8 Outer diameter instation 12 mm Conductor coreseaction (wire) 22 mm? Endition borthores <	Jacket Color	gray
Stranding 8 wires around Core filler twisted Cable shelding (type) copper braid, timed Cable shelding (type) 80 % Banding Fleece, Foll Filler yes wire arrangement brown, orange, violet, pink, gray, black, blue, white Cable shelding (type) 20 yes Material jackot PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, camuum-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 7 mm Talerance outer diameter (jacket) 8 Outer diameter insulation PP Amount wires 8 Outer diameter insulation 1, 2 mm Outer diameter insulation 1, 4 5 % Material violitic listens to its insulation 1, 2 mm Outer diameter insulation <td>Type of Certificate</td> <td>cURus</td>	Type of Certificate	cURus
Cable shelding (type) copper braid, tinned Cable shelding (coverage) 80 %. Banding Fleec. Foll Filer yes wire arrangement brown, orange, violet, pink, gray, black, blue, white Cable weight 7.4.8 g/m Material jacket PUR Shore hardness glack1 90.4.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (jacket) 2 %. Material insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 frm Candidor crossection (wire) 0.2 frmm² Material conductor wire insulation 1.8 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 3.2 Diameter of single wires 0.1 mm Candiduct rorassection (wire)	Amount stranding	1
Cable shielding (coverage) 80 % Banding Fleece, Foil Filer yes wire arrangement brown, orange, violet, pink, gray, black, blue, white Cable weight 74,8 g/m Matarial jacket PUR Shore hardnass jacket 90.2 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 1 5 % Matarial jacket PP Amount wires 8 Outer diameter (insulation 1.2 mm Outer diameter insulation	Stranding	8 wires around Core filler twisted
Banding Fleece, Foll Filer yes wire arrangement brown, orange, violet, pirk, gray, black, blue, white Cable weight 74.8 g/m Material jacket PUR Store hardness jacket 90.5 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Uider-diameter (gacket) ± 5 %. Material wire insulation PP Amount wires 8 Outer diameter (sheath) ± 5 %. Store hardness wire insulation 1.2 mm Outer diameter wire insulation 1.2 fm Outer diameter insulation 1.2 fm Material virie 0.1 fm Gonductor crosssection (wire) 0.25 mm ² Material virie 0.1 fm Gonductor type (wire) strand class 6 Traversing distarce (C-rack) 5 m @ 25 °C (Invicantal Norminal vordage AC max. 30.0 V Curren	Cable shielding (type)	copper braid, tinned
Filler yes wire arrangement brown, orange, volet, pink, gray, black, blue, white Cable weigh 7.4.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingrediums (jacket) lead-free, cadmium-free, CPC-free, halogen-free Outer-diameter (jacket) 7 mm Tolerance oular diameter (saket) 2 5 % Material wire insulation PP Amount Wries 8 Outer diameter forance core insulation 1.2 mm Outer diameter folgeneme 1.3 fm Outer diameter folgeneme 32 Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 32 Diameter of single wires 0.1 mm Conductor tracescention (wire) 32 Diameter of single wires 0.1 mm Conductor tracescention (wire) 92 St mn² Material conductor wire Stranded copper wire, bare Conductor tracescention (wire) 0.2 mm² Conductor tracescention (wire) 32 Diameter of single wires 0.1 mm <td>Cable shielding (coverage)</td> <td>80 %</td>	Cable shielding (coverage)	80 %
wire arrangement brown, orange, violet, pink, gray, black, blue, white Cable weight 74.8 g/m Baterial jackt PUR Shore hardness jackel 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) T mm Tolerance outer diameter (sheath) ± 5 % Material jackt PP Amount wise 8 Outer diameter tolerance orore insulation 1,2 mm Outer diameter tolerance orore insulation 1 2 mm Outer diameter tolerance orore insulation 1 2 5 % Shore hardness wire insulation 1 2 5 % Dameter of singe wires 0,1 mm Conductor crosssection (wire) 0,25 mm ⁷ Material jouck 5 m Ø 25 °C horizontal Nominal voltage A C max. 300 V Conductor wire 3 A Current load capacity (sinth artive) 2 kV Ø 60 s Ac withstand voltage (wire - shield) 40 °C Current load capacity (sinth artive) 2 kV Ø 60 s Ac withstand voltage (wire - shield) 2 kV Ø 60 s	Banding	Fleece, Foil
Cable weight 74.8 g/m Material jacket PUR Shore hardness jacket 90.4 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 8 Outer diameter insulation 1.2 mm Outer diameter insulation 5 %. Shore hardness wire insulation 1.2 mm Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 mm Constraines wire insulation 1.2 mm Outer diameter insulation 1.2 mm Control strands (wire) 32 Diameter of angle wires 0,1 mm Conductor wire Stranded copper wire, bare	Filler	yes
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tom Ingredients (jacket) 184 fee, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) 1 ± 5 % Material wire insulation PP Amount wires 8 Outer diameter (sheath) 70 ± 5 Shore D Ingredient feeness wire insulation 1.2 mm Outer diameter (sistekin) 70 ± 5 Shore D Ingredient feeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor grossection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class B Traversing distance (C-rack) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current tolad capacity (standard) to DIN VDE 0290 *C AC withstand voltage (wire - shiekl) 2 kV @ 60 s Mar. operating temperature (max. (dynamic) 25 °C Orgerat	wire arrangement	brown, orange, violet, pink, gray, black, blue, white
Shore hardness jacket 90 ± 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) 1.5 % Matorial wire insulation PP Arrount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 fm Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 0.2 5 mm² Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor orseasciton (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (strander) to DIN VDE DO298-4 Current load capacity (strander) to DIN VDE DO298-4 Current load capacity (strander)	Cable weigth	74,8 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (jacket)± 5 %Material wire insulationPPAmount wires8Outer diameter insulation1.2 mmOuter diameter tolerance core insulation15 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Mount strands (wire)32Diameter of single wires0.1 mmConductor crossection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNormial voltage (wire - wire)2 kV @ 60 sCurrent load capacity (jandard)to DIN VDE 0298.4Current load capacity (standard)2 kV @ 60 sMin. operating temperature (static)40 °C (wire)Ac withstand voltage (wire - wire)2 kV @ 60 sMin. operating temperature (static)40 °C (wire)Ac withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature max. (synamic)80 °C / 90 °C @ 10000 h OperationGraneting temperature max. (synamic)80 °C / 90 °C @ 10000 h OperationGraneting temperature max. (synamic)28 °COperating temperature max. (synamic)80 °C / 90 °C @ 10000 h OperationGraneting temperature max. (synamic)80 °C / 90 °C @ 10000 h OperationGraneting temperature max. (synamic)80 °C / 90 °C @ 10000 h Operat	Material jacket	PUR
Outer-diameter (jackat) 7 mm Tolerance outer (diameter (sheath) ± 5 % Matarial wire insulation PP Amount wires 8 Outer diameter tolerance core insulation 1.2 mm Outer diameter tolerance core insulation 1.2 mm Outer diameter tolerance core insulation 1.2 s Shore D Ingredient freeness wire insulation 1.2 s 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 rossescilon (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (min. (dynamic) 2	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (shealth) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 82 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded coper wire, bare Conductor type (wire) strand class 6 Traversing distance (C+rack) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Cu	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount Wires 8 Outer diameter insulation 1,2 mm Outer diameter Iderance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor yee (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current toad capacity (strandard) to DIN VDE 0298-4 Current toad capacity (wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating tem	Outer-diameter (jacket)	7 mm
Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 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 orsessection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 - if a A 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -26 °C Quert temperature (static) -26 °C Operating temperature (static) -26 °C Operating temperature (static) -26 °C Operating temperature (static) 80 °C / 90 °C @ 10000 h	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 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 voisessection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AG max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (mix wire) 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - alked 60 s 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dy	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 12 ± 5 Shore D 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 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current loa	Amount wires	8
Shore hardness wire insulation 70 ± 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 rossection (wire) 0,25 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wint. wire 3 A Electrical resistance 2 kV @ 60 s	Outer diameter insulation	1,2 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 crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kV @ 60 s Min. operating temperature (stand 2 kV @ 60 s </td <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor vire 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature min. (dynamic) -2s °C Operating temperature min. (Shore hardness wire insulation	70 ± 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 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C <	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C	Amount strands (wire)	32
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ised)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi ravel speed (C-track)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature max. (dynamic)02 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOas application-related testi	Conductor crosssection (wire)	0,25 mm ²
Traversing distance (C-track) 5 m @ 25 °C horizontal 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gaisoline resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDin k (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Traversing distance (C-track)	5 m @ 25 °C horizontal
Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceS N Outer diameterBending radius (fixed)5 x Outer diameter <t< td=""><td>Nominal voltage AC max.</td><td>300 V</td></t<>	Nominal voltage AC max.	300 V
Electrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceS Nuter diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °C <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingDin co testing radius (fixed)5 x Outer diameterBending radius (context)5 Mio. @ 25 °CNo. of torsion cycles2 Mio. <td>Current load capacity min. wire</td> <td>3 A</td>	Current load capacity min. wire	3 A
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Electrical resistance line constant wire	79 Ω/km @ 20 °C
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Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Min. operating temperature (static)	-40 °C
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Flame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Operating temperature min. (dynamic)	-25 °C
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Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.	Bending radius (dynamic)	10 x Outer diameter
	Travel speed (C-track)	5 Mio. @ 25 °C
Torsion stress ± 30 °/m	No. of torsion cycles	2 Mio.
	Torsion stress	± 30 °/m
Torsion speed 35 cycles/min	Torsion speed	35 cycles/min

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: 2024-05-18

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