

## M12 male 0° A-cod. with cable

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

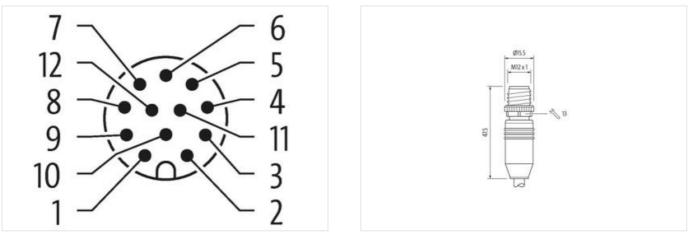
Male straight M12, 12-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



-	BN	
	BU	
	WH	
	GN	
	PK	
	YE YE	
	BK	
	GY	
	RD	
	VT	
	GY PK	
	RD BU	



Product may differ from Image



1,5 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: 2024-05-19

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Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879292931
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.	1,5 A
Installation   Connection	
	M12 x 1
Mounting set	IVI 12 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)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
5	
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.
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)

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Jacket Color     gray       Type of Certificate     cJRus       Amount stranding     1       Stranding     3 wires twisted       Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     gray pink, violal, red blue, brown, red, gray, black, yellow, pink, groon, while, blue       Gate weight     69.3 g/m       Material jacket     PUR       Shore hardness jacket     Bud 5.5 Shore A       Freedom from ingradients (gakeat)     Lead troe, cadmium-free, CFC free, halogen-free, silicone free       Outer diameter (gakeat)     1.6 %       Material wire insulation     PP       Amount wires     12       Outer diameter (gakeat)     1.25 mm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.5 %       Dimeter of single wires     0.1 mm       Conductor respection wire     0.25 mm²       Dimeter of single wires     0.1 mm       Conductor type (wire)     Strandicage dopper wire, bare       Dinaword single wires     0.1 mm </th <th>Cable identification</th> <th>301</th>	Cable identification	301
Amount stranding 1   Stranding 3 wires wisted   Amount stranding (type 2) 9 wires around Stranding combination twisted   Banding Fleace   wire arrangement gray-prink, violet, red-blue, brown, red, gray, black, yellow, pink, green, while, blue   Cable weight 69.3 g/m   Material jackati PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Cable weight 69.3 g/m   Cable weight 69.3 g/m   Cable weight 69.3 g/m   Shore hardness jackat PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Cable reliance: (jacket) 7 mm   Tolerance outer diameter (sheath) 1 5 %   Material wire insulation PP   Amount wires 12   Outer diameter insulation 1.25 mn   Outer diameter insulation 50 1 5 Shore D   Shore hardness wire insulation 50 2 5 Shore D   Imaretion displaye wires 0,1 mm   Conductor type (wire) 0.25 mm²   Material conductor wire Stranded coppor wire, bare   Conductor type (wire) 1.5 kV @ 60 s   Traversing distance (Crack)	Jacket Color	gray
Amount stranding 1   Stranding 3 wires wisted   Amount stranding (type 2) 9 wires around Stranding combination twisted   Banding Fleace   wire arrangement gray-prink, violet, red-blue, brown, red, gray, black, yellow, pink, green, while, blue   Cable weight 69.3 g/m   Material jackati PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Cable weight 69.3 g/m   Cable weight 69.3 g/m   Cable weight 69.3 g/m   Shore hardness jackat PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Shore hardness jackat PUR   Cable reliance: (jacket) 7 mm   Tolerance outer diameter (sheath) 1 5 %   Material wire insulation PP   Amount wires 12   Outer diameter insulation 1.25 mn   Outer diameter insulation 50 1 5 Shore D   Shore hardness wire insulation 50 2 5 Shore D   Imaretion displaye wires 0,1 mm   Conductor type (wire) 0.25 mm²   Material conductor wire Stranded coppor wire, bare   Conductor type (wire) 1.5 kV @ 60 s   Traversing distance (Crack)	Type of Certificate	cURus
Amount stranding (type 2) 1   Stranding (type 2) 9 wires around Stranding combination twisted   Banding Fleece   wire arrangement gray-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, while, 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   Outor diamater (sheath) 1.5 %   Material jacket 12   Outor diamater (insulation 1.2 mm   Outor diamater insulation 1.2 mm   Outor diamoter insulation 1.2 mm   C		1
Amount stranding (type 2) 1   Stranding (type 2) 9 wires around Stranding combination twisted   Banding Fleece   wire arrangement gray-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, while, 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   Outor diamater (sheath) 1.5 %   Material jacket 12   Outor diamater (insulation 1.2 mm   Outor diamater insulation 1.2 mm   Outor diamoter insulation 1.2 mm   C	Stranding	3 wires twisted
Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     gray plink, violet, red blue, brown, red, gray, black, yellow, plink, green, white, blue       Cable weigth     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)     1 5 %.       Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1.25 mm       Outer diameter of single wires     0,1 mm       Conductor orsess wire insulation     1.25 mm       Material conductor wires     0,1 mm       Conductor orsessection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor orsessection (wire)     0.25 mm²       Material conductor wire     Stranded copper w		1
Banding     Fleece       wire arrangement     gray pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Gable weigh     69.3 g vin       Material jacket     PUR       Shore hardness jacket     85.5 5 hore A       Freedom from ingrédients (jacket)     Iead-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       Conductor crossection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor crossection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded capacity (strandard)       Conductor type (wire)     stranded capacity (strandard)       Current load capacity (strandard) <td< td=""><td></td><td>9 wires around Stranding combination twisted</td></td<>		9 wires around Stranding combination twisted
wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigh     69,3 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (glocket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (glocket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jacket     12       Outer diameter oriensulation     1.25 mm       Outer diameter oriensulation     5.0 ± 5 Shore D       Ingredient freeness wire insulation     5.0 ± 5 Shore D       Ingredient freeness wire insulation     1.22 mm       Outer diameter oriensulation     5.0 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor wires     0.1 mm       Conductor vires     Stranded copper wire, bare       Conductor vires     Stranded copper wire, bare       Conductor vires     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stra/0 C/0 Toricontal       N		
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 rolerance core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   12.5 %     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 (wire wire)   1.5 kW @ 00 s     Electrical resistance line constant wire   76 Ωkm @ 20 °C     Activation Voltage (wire wire)   1.5 kW @ 00 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire wire)   1.5 kW @ 00 s     Electric ca		
Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, 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 lolerance core insulation     ± 5 %       Shore hardness wire insulation     5 % 5       Conductor cossesciton (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor trossection (wire)     0,25 mm²       Nominal voltage domax     300 V       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (wire wire)     1,5 kV @ 60 s		
Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer diameter (jacket)     7 mm       Outer diameter (jacket)     7 mm       Outer diameter (jacket)     7 mm       Outer diameter (shealth)     ± 5 %       Matarial wire insulation     PP       Amount wires     12       Outer diameter (brance core insulation     ± 5 %       Shore hardness wire insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     50 ± 5 Shore D       Norunt 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)     strande 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       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire)     1,5 kV @ 60 s		
Freedom from ingredients (jacket)   Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (jacket)   2 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   5 %     Shore hardness wire insulation   5 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 rosssection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m Ø 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 (standard)   to DIN VDE 0298-4     Current load capacity (standard)   15 KV @ 60 s     Electrica capacitance   80000 pF/km     Power freqeuncy withstand voltage (wire - wire)		
Outer-diameter (liacket)     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     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness 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 mm <sup>2</sup> Conductor vice     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 toad capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Guitere capacitanc	-	
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 wire   Stranded copper wire, bare     Conductor wire   Stranded copper wire, bare     Conductor wire (wire)   5 5 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   1.5 KV @ 60 s     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1.5 KV @ 60 s     Electric capaciting temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -20 °C     Operating temperature (static)   -20 °C     Operating temperature (static)   -40 °C		
Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1.25 mm       Could cance core insulation     5 %       Shore hardness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0.1 mm       Conductor or sossection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0.25 mm <sup>2</sup> Accurent load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3 A       Electric capacitance     800000 pF.km       Power frequency with		
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   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 c	. ,	
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       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 win. wire     3 A       Electrica capacitance     80000 pF/km       Power frequency withstand voltage (wire		
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 consesection (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 withstand voltage (wire - wire)   1.5 kV @ 60 s     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - ispectatore   80000 pF/km     Power frequency withstand voltage (wire - ispectatore   1.5 kV @ 60 s     Min. operating temperature (min. dynamic)   -20 °C     Operating temperature (		
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       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     76 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     1,5 kV @ 60 s       Electric capacity min. wire     3 L       Power frequency withstand voltage (wire - lasked)     80 °C       Min. operating temperature (fixed)     80 °C       Operating temperature (fixed)     80 °C       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance		
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 rossesection (wire)   0.25 mm <sup>2</sup> 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 - wire)   1,5 KV @ 60 s     Electrical resistance line constant wire   76 Oµkm @ 20 °C     AC withstand voltage (wire - wire)   1,5 KV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - ispace)   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     Operating temperature max. (dynamic)   80 °C     Operating temperature max. (dynamic)   80 °C     Filam		
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 load capacity (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   -4.0 °C     Max. operating		
InterventionDiameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material 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 min. wire3 AElectrical resistance line constant wire76 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGoil resistanceGood, application-relat		
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 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 - isoket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (ixed)   80 °C     Operating temperature (ixed)   80 °C     Operating temperature min. (dynamic)   -20 °C     Operating temperature min. (dynamic)   80 °C     Flame 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     Oil resistance   Good, application-related testing     Oil		
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 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 - iacket)     1,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (ixed)     80 °C       Operating temperature min. (dynamic)     -20 °C       Combination resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oli resistance	-	
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 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 - iacket)   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)   -20 °C     Operating temperature max. (dynamic)   80 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404		
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   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 (static)   -40 °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     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing		
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 - 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		
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)   -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     Dialog radius (fixed)   10 × Outer diameter     Bending radius (dynamic)   15 × Outer diameter		
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 (ixed)   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     Oil resistance   Good, application-related testing     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 x Outer diameter		
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     Oil resistance   Good, application-related testing     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 x Outer diameter		to DIN VDE 0298-4
AC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistance10 x Outer diameterBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameter		
Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire -   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     Oil resistance   Good, application-related testing     Dil resistance   Good, application-related testing     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 x Outer diameter		-
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameter	AC withstand voltage (wire - wire)	
jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameter		80000 pF/km
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		1,5 kV @ 60 s
Operating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameter	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	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	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	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	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	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter   Bending radius (dynamic) 15 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
	Bending radius (fixed)	10 x Outer diameter
Travel speed (C-track) 3 Mio. @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	Travel speed (C-track)	3 Mio. @ 25 °C

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: 2024-05-19

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