

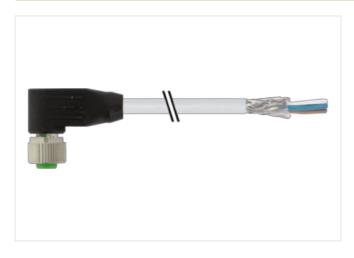
## M12 female 90° A-cod. with cable shielded

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

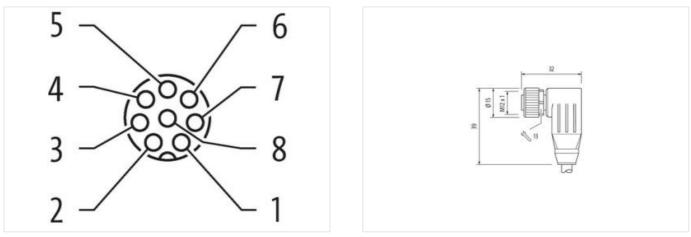
Female 90° M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



1	<u>BN</u>	1
22 11	WH	
2	BU	
	BK	
	GY	
	PK	
	VT	
	OG	
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Product may differ from Image



25 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: 2024-06-25

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Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
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	4048879367783	
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)	I	
Mechanical data   Material data		
Coating locking	Nickeled	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data   Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics   Climatic		
Operating temperature 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)	
Installation   Cable		
	brown orange violet pink arev black blue white	
wire arrangement Cable identification	brown, orange, violet, pink, gray, black, blue, white	
	294	

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Jacket Color     gray       Type of Collification     GIVus       Amount stranding     1       Stranding     8 where around Core filler twisted       Cable shieking (type)     copper trad, limed       Cable shieking (type)     copper trad, limed       Cable shieking (type)     So %       Barding     Place       Viet arrangement     brown, nange, volet, pirk, gray, black, blue, white       Cable weigh     74.8 grm       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from Ingradents (jacket)     10 ± 5 %       Material weir insulation     PP       Anount weirs     8       Outer diameter insulation     1.2 rm       Cuber diameter insulation     1.4 Sm       Foredom viet insulation     1.4 S %       Diameter or insulation     1.4 S %       Shore hardnesse wire insulation     1.2 sm       Cuber diameter insulation     1.2 sm       Cuber diameter insulation     1.2 sm       Candwat strand, krein     3.0 V       Candwat strand, krein     3.0 V	Cable Type	3
Arrout standing     1       Stranding     8 wise around Core filler twiated       Cable shelding (coverage)     80 %       Banding     Piece, Foll       Filler     yes       wire arrangement     brown, orange, viole, pink, gray, black, blue, while       Cable shelding (coverage)     80 %       Banding     Filler       vire arrangement     brown, orange, viole, pink, gray, black, blue, while       Cable shelding (active)     PUR       Shore hardness glock     80 15 Shore A       Froedom from ingredients (active)     1 act too, cadmium free, CPC free, halogen- free, silicone free       Outer diameter (actel)     1 5 %       Material wire insulation     PP       Anount wires     8       Outer diameter insulation     1 2 mm       Cubre diameter insulation     1 2 mm       Cubre diameter insulation     1 2 mm       Cubre diameter insulation     1 2 mm       Conductor crossection (wire)     3 5 Shore D       Ingrident freemess wire insulation     1 act tree, cadmium free, CPC free, halogen free, silicone free       Amount strand Sive)     3 2       Diameter isoutoto	Jacket Color	gray
Strandig   8 wires around Core Iller twisted     Cable shielding (type)   copper braid, fined     Cable shielding (covrage)   80 %     Banding   Fileece, Foll     Filer   yis     wire arrangement   brown, orange, violet, pink, gray, black, blue, white     Cable weight   7.4.8 gm     Material jacket   PUR     Shore hardness jacket   90 15 Shore A     Freedom from ingredients (jackel)   1sa 4/rese, cambum-free, CFC-free, halogen-free, silicone-free     Outer diameter (jackel)   7 mm     Tolerance cuter diameter (fickenth)   5 %     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 Shore D     Ingredient foreance sive in nulation   lead-free, cambum-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of aingle wires   0.1 mm     Conductor torgenes wire insulation   lead-free, cambum-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of aingle wires   0.1 mm <td< td=""><td>Type of Certificate</td><td>cURus</td></td<>	Type of Certificate	cURus
Gable arbeiding (typa)     copper braid, linned       Gable arbeiding (coverage)     80 %       Banding     Floece, Fol       Filer     yes       wire arrangement     brown, orange, violet, pink, gray, black, blue, while       Gable weigh     74,8 gm       Material jacket     PUR       Share hardness jacket     90 5 Shore A       Freedom from ingredients (jacket)     leas-free, cadmum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (inacket)     7 mm       Tolerance cuter diameter (the full)     5 %       Material installion     PP       Amount wise     8       Outer diameter times wire insulation     12 s %       Shore hardness wire insulation     12 s %       Shore hardness wire insulation     12 s %       Ingrodient freemass wire insulation     12 s %       Cardnet tolerance core insulation     12 s %       Cardnet tolerance core insulation     12 s %       Shore hardness wire insulation     12 s %       Cardnet type (wire)     32       Cardnet type (wire)     32 stranded copper wire, bare       Canductor type (wire)     13 arm	Amount stranding	1
Gabe shielding (coverage)     80 %       Banding     Ploco, Foll       Filler     yes       wire arrangement     brown, orange, violet, pins, gray, black, blue, white       Cable weight     7.4.8 g/m       Material jacket     PUR       Shore haufmess igaket     00.8 Shore A       Freedom from ingedients (acket)     0.1.8 Shore A       Forder haufmess igaket     10.8 Shore A       Outer diameter (jacket)     7 mm       Toberance outer diameter (jacket)     7 mm       Outer diameter insulation     1.2 %       Material wire insulation     1.2 mm       Outer diameter insulation     1.2 mm       Outer diameter wire insulation     1.0 ± 5 Shore D       Ingredient freetness wire insulation     1.0 ± 5 Shore D       Ingredient freetness wire insulation     2.6 ± 5 more D       Conduct or straps wires     0.1 mm       Conduct or yer (yeint)     8 add dosper wire, bate       Vermet load capacity (m. wire     3.4	Stranding	8 wires around Core filler twisted
Banding     Flaeco, Foll       Filler     yes       wite arrangement     brown, orange, violet, plink, gray, black, blue, white       Cable weight     74.8 g/m       Matarial jacket     PUR       Shore hardmesa jacket     90.1.5 Shore A       Freedom from ingredients jacket     90.1.5 Shore A       Colure -diametic glacket     7mm       Tolerance outer diameter (sheath)     1.5 %       Material jacket     8       Outer diameter insulation     1.2 mm       Outer diameter insulation     70.2.5 Shore D       Ingredient freeness wire insulation     164/free, cadmum free, CPC-free, halogen-free, silicone-free       Amount wires     8       Outer diameter insulation     1.2 mm       Outer diameter insulation     1.2 mm       Outer diameter insulation     1.2 mm       Conductor pressection (wire)     0.2.5 mm <sup>2</sup> Amount strands (wire)     32       Dameter d single wires     0.1 mm       Conductor type (wire)     Strand closes 6       Normal voltage A C max.     300 V       Current load capacity (strat-draft)     D DIN VDE 0298.4 <t< td=""><td>Cable shielding (type)</td><td>copper braid, tinned</td></t<>	Cable shielding (type)	copper braid, tinned
Filter     yes       wire arragement     brown, orage, violet, pink, gray, black, blue, white       Cable weight     74.8 grm       Material jacket     PUR       Shore hardness jacket     80.1 5 Shore A       Freedom from ingredients (jacket)     Isaa Free, cadmum-free, CFC-free, halogon-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolarace outer diameter (shouth)     1.5 %.       Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1.2 mm       Outer diameter insulation     70.5 Shore D       Ingredient Thereas wire insulation     1.2 mm       Outer diameter of single wires     0.1 mm       Conductor traves wire insulation     0.2 Smm <sup>2</sup> Material conductor wires     Stranded copper wire, bare       Conductor traves of the diameter insulation     0.0 Tm       Material conductor wire     Stranded copper wire, bare       Conductor traves of the diameter insulation     0.1 mm       Conductor traves of ance of the diameter insulation     0.2 Smm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor traves of the dian	Cable shielding (coverage)	80 %
Filter     yes       wire arragement     brown, orage, violet, pink, gray, black, blue, white       Cable weight     74.8 grm       Material jacket     PUR       Shore hardness jacket     80.1 5 Shore A       Freedom from ingredients (jacket)     Isaa Free, cadmum-free, CFC-free, halogon-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolarace outer diameter (shouth)     1.5 %.       Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1.2 mm       Outer diameter insulation     70.5 Shore D       Ingredient Thereas wire insulation     1.2 mm       Outer diameter of single wires     0.1 mm       Conductor traves wire insulation     0.2 Smm <sup>2</sup> Material conductor wires     Stranded copper wire, bare       Conductor traves of the diameter insulation     0.0 Tm       Material conductor wire     Stranded copper wire, bare       Conductor traves of the diameter insulation     0.1 mm       Conductor traves of ance of the diameter insulation     0.2 Smm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor traves of the dian	Banding	Fleece, Foil
Cable weigh   74.8 g/m     Material jacket   PUR     Material jacket   90 ± 5 Shore A     Freedom from ingrudients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, allicone-free     Outer diameter (jacket)   ± 5 %     Material wire insulation   PP     Amount wires   8     Outer diameter insulation   12 mm     Outer diameter insulation   ± 5 %     Store hardness wire insulation   1.2 mm     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   iada-free, cadmium-free, CFC-free, halogen-free, allicone-free     Amount strands (wire)   32     Diameter of single wires   0.1 mm     Conductor crossocition (wire)   0.25 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor vigacapatity (sindard)   to DIN VDE 028-4     Current load capacity (sindard)   to DIN VDE 028-4     Current load capacity (sindard)   to DIN VDE 028-4     Current load capacity (sindard)   to DIN VDE 028-4     Conductor vigac (wire - wire)   2 kV @ 60 s     Power frequeny withstand voltage (wire - wire)   2 kV @ 60 s     AC wit	Filler	
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     Iead 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     8       Outer diameter (sheath)     1.2 mm       Conductor (sheath)     0.25 mm²       Amount strands (wire)     3.2       Diametor of algo wires     0.1 mm       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (sthandord)	wire arrangement	brown, orange, violet, pink, gray, black, blue, white
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Tom ingredients (jacket)     lead-free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer diameter (jacket)     7 mm       Tolerance outer diameter (jacket)     1 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter (learance cor insulation     1.2 mm       Outer diameter (learance cor insulation     1.2 fm       Conductor trossescence (wire)     3.2 fm <sup>2</sup> Diameter of single wires     0.1 mm       Conductor type (wire)     strand class 6       Nominal Voltage AC max.     300 V       Current load capacity (stinudard)     to DN VDE 0280-4       Current load capacity min. wire     3 A       Electrical resistance line constant wire     79 CM:rng @ 20 °C       AC withstaind voltage (wire - wire)     2 kV @ 60 s       Min. operating temperature (la	Cable weigth	
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     Iead tree, cadmium free, CFC-free, halogen-free       Outer-diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wre insulation     PP       Amount wres     8       Outer diameter insulation     12 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredent freeness wire insulation     Iead-free, cadmium free, CFC-free, halogen-free, allicone-free       Amount wires     8       Outer diameter (sheath)     2 ± 5%       Shore hardness wire insulation     10 ± 5%       Ingredent freeness wire insulation     10 ± 5%       Shore hardness of some	Material jacket	
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-claimedir (jacket)   7 mm     Tobrance outer claimeter (jacket)   5 %     Material wire insulation   PP     Amount wires   8     Outer diameter insulation   1.2 mm     Outer diameter insulation   70 ± 5 Shore D     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   8     Amount strands (wire)   32     Diameter of single wires   0.1 mm     Conductor crossesction (wire)   0.2 mm²     Material conductor wire   Stranded copper wire, bare     Conductor wire)   Stranded dass 6     Nominal voltage AC max.   300 V     Courrent toal capacity (standard)   to DIN VDE 0298-4     Current toal capacity (standard)   to DIN VDE 0298-4     Curre		90 ± 5 Shore A
Outer-diameter (jacket)     7 mm       Toferance outer (diameter (sheath))     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter (sheath)     1.2 mm       Outer diameter insulation     1.2 mm       Outer diameter 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 crossection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6       Nominal voitage AC max.     300 V       Current toad capacity (standard)     to DIN VDE 0288-4       Current toad capacity (standard)     to DIN VDE 0288-4       Current toad capacity (standard)     2 kV @ 60 s       Power frequency withstand voitage (wire - jackd)     2 kV @ 60 s       Ac withstand voitage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) $\pm$ 5 %Material vice insulationPPAmount vires8Outer diameter insulation1.2 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation82Diameter of single wires0.1 mmConductor ossessection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor torsessection (wire)0.25 mm²Nominal 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)2 kV @ 60 sPower frequency withstand voltage (wire - yine)2 kV @ 60 sMin. operating temperature (static)40 °CMax. operating temperature (static)40 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature (static)40 °C Other diameterGood, application-related testingGascine resistanceGood, application-related testingGascine resistanceGood, application-related testingGascine resistanceGood, application-related testingGascine resistanceGood, application-related testing<		
Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1.2 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness 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 vires     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Current load capacity (nin, wire)     3 A       Electrical resistance     IN VIV @ 60 s		±5%
Outer diameter insulation     1,2 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Imgredient freeness wire insulation     lead-tree, cadmium-free, CFC-tree, 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)     stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Current toad capacity (strander)     to DIN VDE 0286-4       Current toad capacity (strander)     2 kV @ 60 s       AC withstand voltage (wire - wire)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Oparating temperatur		PP
Outer diameter insulation     1,2 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Imgredient freeness wire insulation     lead-tree, cadmium-free, CFC-tree, 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)     stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Current toad capacity (strander)     to DIN VDE 0286-4       Current toad capacity (strander)     2 kV @ 60 s       AC withstand voltage (wire - wire)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Oparating temperatur		8
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-tree, cadmium-tree, CFC-tree, halogen-tree, silicone-tree       Amount strands (wire)     32       Diameter of single wires     0, 1 mm       Conductor crosssection (wire)     0,25 mm <sup>3</sup> 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)     2 kV @ 60 s       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - site)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature (static)     -26 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation </td <td></td> <td></td>		
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 crossection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal vottage AG max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Min. operating temperature wire     79 Ωkm @ 20 °C       AZ withstand voltage (wire - shield)     2 kV @ 60 s <td< td=""><td></td><td></td></td<>		
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 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 - jacket)     2 kV @ 60 s       Min. operating temperature (stalic)     -40 °C       Max. operating temperature (ked)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (stalic)     -25 °C       Operating temperature (stalic)     -25 °C       Operating temperature mix. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Operating temperature field     2 kV @ 61 S       Gasoline resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       Othernical resistance     Good. application-related testing		
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   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   Guod, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasol		
Diameter of single wires   0,1 mm     Conductor orosssection (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   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing IDIN EN 60811-404     Bending radius (kited)   5 × Outer diameter     Bending radius (kited)   5 × Outer diameter     Intervising distance (C-track)   5 Mio. @ 25 °C		
Conductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)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 min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGli resistanceGood, application-related testingGli resistanceGood, application-related testingGli resistanceGood, application-related testingOli resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterNo. of bending cycles (C-track)5 m@ 25 °CTraversing distance (C-track)5 m@ 25 °CNo. of bending cycles2 Mio.Traversing distance (C-track)5 m@ 25 °CNo. of bending cycles2 Mio.Traversing cycles2 Mi	. ,	
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)3 AElectrical resistance line constant wire79 Ωkm @ 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 (static)-40 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1000   IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testing <tr< td=""><td></td><td></td></tr<>		
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent 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 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 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating 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 testingGoil resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of torsion cycles </td <td></td> <td></td>		
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No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	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: 2024-06-25

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