

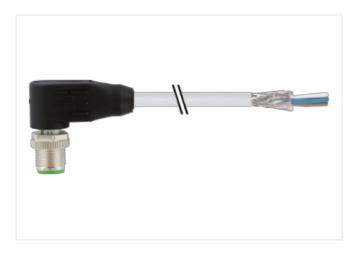
## M12 male 90° A-cod. with cable shielded

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

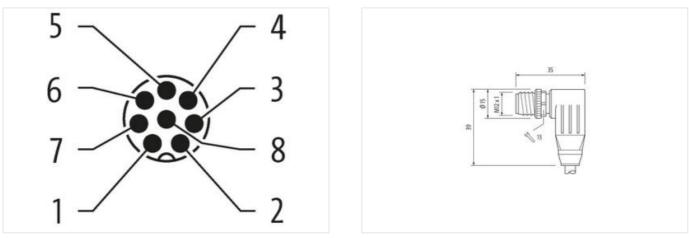
Male 90° M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



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	GY	
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	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: 2024-05-19

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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	4048879195867	
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)	1	
Mechanical data   Material data		
Coating locking	Nickeled	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data   Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics   Climatic		
Operating temperature min.	-25 °C	
Operating temperature max.	85 °C	
Additional condition temperature range	depending on cable quality	
Important installation notes		
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
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		
Cable identification	294	

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Jackaf ColorgrayJackaf ColorGIVsArnout Standing4Stranding6Calle shelding (coverage)00 5BardingFloorEdiaf shelding (coverage)00 5BardingFloorFloor90 5BardingFloorFloor90 5BardingFloorFloor90 5BardingFloorFloor90 5Standing (coverage)90 5Barding (coverage)90 5Barding (coverage)90 5Standing (coverage)90 5Coverage90 5Standing (coverage)90 5Standing (coverage)90 5Coverage90 5Standing (coverage)90 5Coverage90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5Coverage)90 5<	Cable Type	3	
Ansonit Standing         1           Stranding         8 wire sund Core filler twisted           Cable shielding (type)         cooper braid, finned           Cable shielding (type)         cooper braid, finned           Cable shielding (type)         80 %           Banding         Piece, Foil           Filler         yes           Wire arrangement         brown, orange, violet, pink, gray, black, blue, white           Cable weight         74,8 g/m           Material packet         PUR           Stron hardness jacket         PUR           Freedom from ingredients (tacket)         leas free, cadmium-free, CFC-free, halogen-free           Caler diameter (tacket)         7 mm           Tolerance cucif diameter (stacket)         1.2 mm           Caler diameter insulation         9.5 %           Store hardness wire insulation         7.6 5 Shore D           Tingredient freenees wire insulation         1.2 mm           Caler diameter (telfarance core insulation         1.2 mm           Cander diseweire wire insulation         7.6 5 Shore D           Tingredient freenees wire insulation         1.2 mm           Cander diseweire wire         5.7 %           Material sondiver insulation         7.6 5 Shore D           Tingredient freenees wir	Jacket Color	gray	
Stranding         8 wires around Core filler twisted           Cable shelding (type)         copper braid, fined           Cable shelding (type)         98 %           Banding         Filero, Foll           Filer         yes           Weie arangement         brown, orange, violet, pink, gray, black, blue, white           Cable weight         74.8 grin           Material jacket         PUR           Shore hordness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         7 mm           Outer diameter (isolation)         7 mm           Tolerance outer diameter (isolation)         9 ± 5 Shore A           Freedom from ingredients (jacket)         9 ± 5 Shore A           Cardiardiar jurie juscitation         1 5 %           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter insulation         7 ± 5 Shore D           Ingredient fineeness wire insulation         7 ± 5 Shore D           Ingredient fineeness wire insulation         2 ± 5 %           Shore hordness wire insulation         2 ± 5 %           Marterial conductor wire         Strand dosper wire, bare           Onductor strand (wire)         3 ± 2 % C [ horizontal           Nommal voltage AC max <t< td=""><td>Type of Certificate</td><td>cURus</td></t<>	Type of Certificate	cURus	
Cable shielding (type)copper braid, finnedCable shielding (coverage)80 %BandingFleece, FollFilleryeswire arrangementbrown, orange, vollet, pink, gray, black, blue, whileCable weigh74.8 g/mMaterial jacketPURShore hardness jacket90 5 Shore AFreedom from Ingredients (jacket)1 ead-free, cadmum-free, CFC-free, halogen-free, silcone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)1 5 %Material jacket8Outer diameter (sheath)1 2 mmOuter diameter (sheath)1 2 mmOuter diameter tolerance one insulation70 1 5 Shore DShore hardness wire insulation70 1 5 Shore DShore hardness wire insulation70 1 5 Shore DShore hardness wire insulation10 2 5 %Material wire full8Outer diameter tolerance one insulation70 1 5 Shore DShore hardness wire insulation10 2 5 Shore DImpredient feeness wire insulation10 1 mmConductor urossection (wire)0.25 mm²Barnet of single wires0,1 mmConductor wire0.25 Shore DConductor wire0.25 Ch IndizatelConnoral votage AC max.30 0/Conductor wire0.25 Ch IndizatelConnoral votage AC max.30 0/Conductor wire0.25 Ch IndizatelConnoral votage AC max.30 0/Conductor wire34 ACatered Lassiance line constant wire74 D km @ 20 °C <tr< td=""><td>Amount stranding</td><td>1</td></tr<>	Amount stranding	1	
Cabbe shelding (coverage)         80 %           Banding         Flaco, Foll           Filer         yes           wire arrangement         brown, orange, violet, pink, gray, black, blue, whate           Cabbe weigh         74.8 g/m           Material jacket         PUR           Shore hardness jackot         90.4 5 Shore A           Freedon form ingredients (jacket)         7 mm           Tolerance outer diameter (jacket)         7 mm           Tolerance outer diameter (jacket)         1.2 mm           Outer diameter insulation         1.2 mm           Outer diameter sive insulation         1.2 mm           Outer diameter insulation <t< td=""><td>Stranding</td><td>8 wires around Core filler twisted</td></t<>	Stranding	8 wires around Core filler twisted	
Banding         Fleece, Foll           Filler         yas           wire arrangement         brown, orange, violet, pink, gray, black, blue, white           Gabia weighn         74.8 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (gacket)         lead-free, cadfuum-free, CFC-free, halogen-free, silicone-free           Outer-diameter (gacket)         ± 5 %.           Material wei insulation         PP           Anount wice         8           Outer diameter (sheath)         ± 5 %.           Material wei insulation         1.2 mm           Outer diameter tolerance occer insulation         1.4 5 %.           Shore hardness wire insulation         1.9 5 Shore D           Ingredient teeness wire insulation         1.2 Sm           Outer diameter (sheath)         2.5 %           Shore hardness wire insulation         1.2 Sm           Conductor row insulation         1.2 Sm           Conductor row insulation         1.2 Sm           Conductor row insulation         1.2 Sm           Conductor weir         0.1 mm           Conductor weir         0.25 mm²           Conductor weir         Stranded copper wire, bare           Con	Cable shielding (type)	copper braid, tinned	
Filter         yes           wire arrangement         brown, orange, volet, pink, gray, black, blue, white           Cable weigh         74.8 grm           Material jacket         PUR           Shren handness jacket         90 ± 5 Shore A           Freedom form ingredients (jacket)         Isad-ince, cadmum-free, CFC-free, halogen-free, alicone-free           Outer-diameter (jacket)         7 mm           Toferance outer diameter (jacket)         7 mm           Outer diameter insulation         PP           Amount wires         8           Outer diameter insulation         1.2 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         12.5 %           Shore hardness wire insulation         12.2 mm           Outer diameter (selvet)         32           Diameter of single wires         0.1 mm           Canductor rossection (wire)         32           Diameter of single wires         0.1 mm           Canductor trype (wire)         strand cass 6           Traversing distance (C-track)         5 m @ 25 °C I horizontal           Nominal voltage AC max.         300 V           Current load capazity (standard)         to DIN VDE 0298-4           Current load capazity (standarof)	Cable shielding (coverage)	80 %	
wite arrangement         brown, orange, violet, pirk, gray, black, blue, white           Cable weight         74.8 g/m           Material jacket         PUR           Shore harchess jacket         90 ± 5 Shore A           Freedom from ingrodients (jacket)         Tom           Outer-diameter (jacket)         7 mm           Tolerance outer drameter (sheath)         1 5 %           Material jacket         8           Outer diameter insulation         PP           Amount wices         8           Outer diameter insulation         1.2 mm           Outer diameter insulation         1.2 fs           Tore ance so vice insulation         1.2 fs           Shore hardness wice insulation         1.2 fs           Target diameter insulation         1.2 fs           Shore hardness wice insulation         1.2 fs           Target diameter insulation         1.2 fs           Shore hardness wice insulation         1.2 fs           Target diameter insulation         1.2 fs           Material solution         9.2 Store D           Ingredient freeness wice insulation         1.2 fs           Material solution         9.2 Store D           Ingredient freeness wice insulation         1.2 fs           Conductor type (wire)	Banding	Fleece, Foil	
Cable weight     74.8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, habgen-free, silicone-free       Outer diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Matorial 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     1.2 mm       Outer diameter follow interes     8       Conductor crosssection (wire)     32       Diameter of single wires     0.1 mm       Conductor vives     Stranded copper wire, bare       Conductor vives     Stranded copper wire, bare       Conductor vives     Stranded copper wire, bare       Conductor vive     Stranded copper wire, bare       Conductor vives     Stranded copper wire, bare       Conductor vive     Stranded copper wire, bare       Conductor vive     Stranded copper wire, bare       Conductor vive     <	Filler	yes	
Material jacket         PUR           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 (jacket)         2 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter (jacket)         1 2 mm           Outer diameter insulation         1 2 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient treeness wire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 Shore D           Ingredient treeness wire insulation         10 ± 5 Shore D           Ingredient treeness wire insulation         10 ± 5 Shore D           Diameter of Jange wires         0,1 mm           Conductor crosssection (wire)         0,25 mm <sup>3</sup> Material conductor wire         Stranded copper wire, bare           Conductor crosssection (wire)         0,25 mm <sup>3</sup> Material conductor wire         Stranded copper wire, bare           Conductor prove (wire)         5 m @ 25 °C   horizontal           Nominal voltage (wire - wire)         5 %           Current load capacity min. wire	wire arrangement	brown, orange, violet, pink, gray, black, blue, white	
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-tree, cadmum-free, CFC-free, halogen-free           Outer diameter (shealth)         ± 5 %           Material wrie insulation         PP           Amount wires         8           Outer diameter (shealth)         ± 5 %           Material wrie insulation         1.2 mm           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         1.2 mm           Outer diameter (shealth)         2 5 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wife)         32           Diameter of single wires         0.1 mm           Conductor tropsection (wire)         0.25 mr <sup>3</sup> Taversing dislance (C-track)         5 m @ 25 °C1 horizontal           Nominal voltage AC max.         300 V           Current load capacity (slandard)         to IDN VDE 0298-4           Current load capacity (ushed and)         to IDN VDE 0298-4           Current load capacity (mish write         79 Okm @ 20 °C           AC withstand voltage (write - white)         2 kV @ 60 s           Power frequency withstand voltage (write - white)         2 kV @ 60 s           Operati	Cable weigth	74,8 g/m	
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1.2 mm           Outer diameter biolerance core insulation         1.5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0.25 mm²           Material conductor wire         Strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (stindard)         to DIN VDE 0298-4           Current load capacity (stindard)         to DIN	Material jacket	PUR	
Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter rolerance core insulation         1.2 mm           Outer diameter tolerance core insulation         1.5 %           Shore hardness wire insulation         1.6 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 or sossection (wire)         0.25 mm²           Conductor vires (C-track)         5 m @ 25 °C   horizontal           Nominal voitage AC max.         300 V           Current load capacity (stendard)         to DIN VDE 0298-4	Shore hardness jacket	90 ± 5 Shore A	
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Anount wires       8         Outer diameter insulation       1,2 mm         Outer diameter lolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Impredient Freeses wire insulation       70 ± 5 Shore D         Impredient Freeses wire insulation       82         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       stranded copper wire, bare         Current load capacity (standard)       to DIN VDE 0298.4         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         Max. operating temperature (static)       -40 °C	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 insulation         15 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         164 /Fee, cadmium-free, CFC-free, halogen-free, silicone-free           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)         stranded copper wire, bare           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV Ø 60 s           Amount strand voltage (wire - wire)         2 kV Ø 60 s           Amount strand voltage (wire - wire)         2 kV Ø 60 s	Outer-diameter (jacket)	7 mm	
Amount wires     8       Outer diameter insulation     1.2 mm       Outer diameter tolerance core insulation     1.5 %       Shore hardness wire insulation     70:4 5 Shore D       Ingredient freeness wire insulation     70:4 5 Shore D       Ingredient freeness wire insulation     82       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vires     Strande copper wire, bare       Conductor vires     Stranded copper wire, bare       Conductor vires     Strande copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity wire wire)	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           Imgredient 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 type (wire)         stranded copper wire, bare           Conductor type (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 0288-4           Current load capacity (wire - wire)         2 kV @ 60 s           Row ritstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (statc)         40° °C           Min. operating temperature (statc)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (statc)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (statc)         80 °C / 90 °C @ 10000 h Operation           Core tistince         Good, application-related testing <tr< td=""><td>Material wire insulation</td><td>PP</td></tr<>	Material wire insulation	PP	
Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor cosssection (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 (standard)to DIN VDE 0298-4Current load capacity (wire)2 KV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sAC withstand voltage (wire - wire)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)-40 °CPare resistanceGood, application-related testingGasoline resistanceGood,	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 <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 (win. wire)       3 A         Electrical resistance line constant wire       79 Ωkm @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Operating temperature (static)       -40 °C         Fiame resistance       Good. application-related testing         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation </td <td>Outer diameter insulation</td> <td>1,2 mm</td>	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 vorsessection (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 toad capacity (standard)       to DIN VDE 0298-4         Current toad capacity (standard)       to DIN VDE 0298-4         Current toad capacity (standard)       to DIN VDE 0298-4         Current toad 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 - acket)       2 kV @ 60 s         Mix. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       60 °C / 90 °C @ 10000 h Operation         Operati	Outer diameter tolerance core insulation	±5%	
Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         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 (standard)       to DIN VDE 0298-4         Current load capacity (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - %)       2 kV @ 60 s         Power frequency withstand voltage (wire - %)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -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         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	Shore hardness wire insulation	70 ± 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+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 (standard)       to DIN VDE 0298-4         Current load capacity (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - %)       2 kV @ 60 s         Power frequency withstand voltage (wire - %)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -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         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	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)         to V V @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing </td <td>Amount strands (wire)</td> <td></td>	Amount strands (wire)		
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 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 - iacket)         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 max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -26 °C           Operating temperature max. (dynamic)         -26 °C           Of the sistance         Good, application-related testing           Gasoline re	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 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 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationOli 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 testingOil resistance10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Conductor crosssection (wire)	0,25 mm <sup>2</sup>	
Traversing 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 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 (static)-40 °CMax. operating temperature (ifxed)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 testingGisoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi ravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Material conductor wire	Stranded copper wire, bare	
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         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         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         Gil resistance       Good, application-related testing         Oli vouter diameter	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 OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationGasoline resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingDi x Outer diameterTravel speed (C-track)Tavel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2	Traversing distance (C-track)	5 m @ 25 °C   horizontal	
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         AC 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 (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         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         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsio	Nominal voltage AC max.	300 V	
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         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         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4	
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         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         Gasoline resistance       Good, application-related testing         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.         Torsion stress       ± 30 °/m <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 testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi rasistanceGood, application-related testingDi o Outer diameterTravel speed (C-track)Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical resistance line constant wire	79 Ω/km @ 20 °C	
jacket)Z 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 testingDi v Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s	
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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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceS × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		80 °C / 90 °C @ 10000 h Operation	
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Gasoline resistance       Good, application-related testing         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.         Torsion stress       ± 30 °/m			
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.         Torsion stress       ± 30 °/m			
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.         Torsion stress       ± 30 °/m			
Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Bending radius (fixed)		
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No. of torsion cycles     2 Mio.       Torsion stress     ± 30 °/m			
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: 2024-05-19

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