

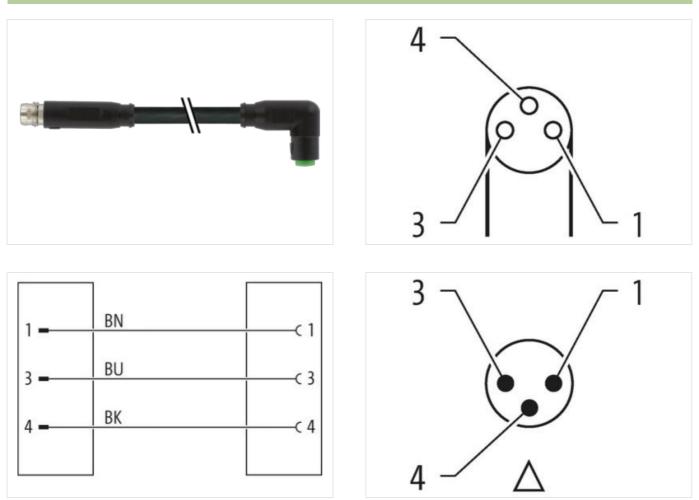
## M8 male 0° / M8 female 90° A-cod. snap-in

PUR 3x0.25 bk UL/CSA+robot+drag ch. 1.5m

Male straight – female 90° M8 (Snap In) – M8 (Snap In), 3-pole Further cable lengths on request. 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.

## Link to Product

Illustration



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: 2024-05-02

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Product may differ from Image



Cable length	1,5 m
Side 1	
Thread	M8
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65
Additional condition protection degree	inserted, locked
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Material housing	PUR
Mechanical data   Mounting data	
Looking techniques	Snap In
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 61076-2-114 (M8)
Installation   Cable	

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Cable Type         5           Jacket Color         block           Type of Certificate         6/Rus           Arrount Stranding         1           Stranding         3 wise wisted           Wise arrangement         brown, black, blue           Cable weigh         26,4 gin           Material Jacket         9.1 3.5 me           Stree hardness jacket         9.2 3.5 me           Toreanto outor diameter (alsold)         4.5 me           Cable weigh         4.3 me           Toleranco outor diameter (alsold)         4.5 me           Outer diameter (alsold)         4.5 me           Cable weigh         3.3           Cable weigh         3.3           Cable weigh         3.3           Cable diameter insulation         1.5 me           Duer diameter insulation         1.4 S here D           Insure diameter insulation         1.4 S here D           Insure diameter insulation         1.4 S here D           Duer diameter insulation         1.4 S here D           Insure diameter insulation         1.4 S here D           Insure diameter insulation         1.4 S here D           Insure diameter insulation         1.4 S here D           Cardiacter presinsup (S here Acadease D		
Jacket Color         block           Type of Carfilicate         cURus           Annout stranting         1           Stranding         Swires wisted           Wires arrangemert         Drown, Kack, blue           Cable weight         26.4 g/m           Material (acket         PUR           Stranding         Stranding           User dameter (acket)         Bd 3 Store D           Freadom from ingreadents (acket)         Bd 3 Store D           Outer dameter (acket)         4.3 mm           Toterance outer ciameter (abeath)         ± 5 %           Material wire insulation         PP           Annourt wires         3           Outer dameter (user (abeath)         ± 5 %           Stroe handerse wire insulation         1,25 mm           Outer dameter (user (abeath)         ± 5 %           Stroe handerse wire insulation         1,42 mm           Outer dameter (user (abeath)         ± 3 Shore D           Ingredent I freeness wire insulation         1,42 mm           Outer dameter (abeathers wire insulation         1,4 S mm           Outer dameter (abeathers wire insulation         1,4 S mm           User dameter (abeathers wire insulation         1,4 S mm           Outer dameter (abeathers wire insulation </td <td>Cable identification</td> <td>650</td>	Cable identification	650
Type of Cartificatio         cURus           Annount stranding         1           Stranding         3 wires kvelod           wire stranding         1           Balan Magning         3 wires kvelod           wire stranding         28.4 g/m           Material Jacker         PUR           Shore hardness jacket         58 e 3 Shore D           Fraedom from ingredients (jacket)         4.5 %           Outer-diameter (jacket)         4.5 %           Material Jacker         PUR           Shore hardness jacket         58 e 3 Shore D           Foreacco outer diamoter (phalun)         4.5 %           Material wire insulation         1.25 mm           Outer diameter insulation         1.5 %           Shore hardness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Canductor creassaction (wire)         0.25 mm <sup>2</sup> Diameter of single wires         0.1 mm           Canductor yiee (Verke)         Strandde coper wire, bare           Canductor yiee (Verke)         Strandde coper wire, bare           Canductor yiee (Verke)         1.5 % (Verke)           Tavereing diatance (Verke)         1.0 NV to 0288	Cable Type	5
Amount stranding         1           Stranding         3 wires low looked           Stranding         3 wires low looked           Gable weigh         26.4 g/m           Malanial jackol         PUR           Shore hardness jacket         58 ± 3 Shore D           Carle weigh         6.8 ± 3 Shore D           Carle diverse (jacket)         18.4 ± 3 Shore D           Carle diverse (jacket)         4.3 m           Outer diverse (jacket)         4.3 m           Outer diverse (jacket)         5 %           Manalar wire insulation         PP           Amount wires         3           Outer diverse (low low limits)         1.45 mm           Outer diverse (low limits)         32           Diverse (low limits)         1.45 mm           Outer diverse (low limits)         1.45 mm           Diverse (low limits)         1.45 mm           Outer diverse (low limits)         1.45 mm           Diverse (low limits)         1.45 mm           Diverse (low limits)         <	Jacket Color	black
Stranding         3 wires twisted           wire arrangement         Urown, black, blue           Scale weigh         26.4 pm           Material acket         PUR           Shore hardness joket         55.4 5 Shore D           Fineedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (gleaket)         4.3 mm           Tolerance outer diameter (sleaket)         4.5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 m           Shore hardness wire insulation         1.4 S %           Shore hardness wire insulation         1.4 S %           Durier diameter (sleaket)         3.2           Durier diameter (sleaket)         3.2           Durier diameter (sleaket)         3.2           Durier diameter (sleaket)         5.5 m           Shore hardness wire insulation         1.4 S Shore D           Lineared strained (wire)         3.2           Durier diameter (sleaket)         0.1 mm           Canductor type (wire)         3.25 mill           Canductor type (wire)         3.25 mill           Canductor crosssection (wire)         5.25 mill           Canductor	Type of Certificate	cURus
wite arrangement         brown, black, blue           Cable weight         28.4 g/m           Material jack         PUR           Since hardness jackel         98.13 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.3 mm           Tolerance outer diameter (seath)         5.5 %           Amount wires         3           Outer diameter (installation         1.25 mm           Outer diameter (installation)         1.25 mm           Outer diameter (installation)         1.25 mm           Diameter of single wires         0.1 mm           Conductor coressection (wire)         0.25 mm <sup>2</sup> Diameter of single wires         0.1 mm           Conductor trovsection (wire)         5 ma 22 mm <sup>2</sup> Diameter of single wires         0.1 mm           Conductor trovsection (wire)         5 me <sup>2</sup> C <sup>2</sup> Conductor type (wire)         stra	Amount stranding	1
Cable weight         26,4 g/m           Mainrial jackot         PUR           Mainrial jackot         Ste 13 Store D           Freedom from ingredients (jacket)         4.3 mm           Ober diameter (jacket)         4.3 mm           Tolerance outer diameter (jacket)         5 %           Material wire insulation         PP           Anount wires         3           Outer diameter insulation         1.5 %           Mainral wire insulation         1.4 5 %           Nore hardnass wire insulation         1.4 5 %           Mainral works         0.1 mm           Canductor crossocilon (vire)         0.25 mm <sup>2</sup> Diameter of single wires         0.1 mm           Canductor vire         0.25 mm <sup>2</sup> Diameter of single wires         0.1 mm           Canductor vire         0.25 mm <sup>2</sup> Diameter of single wires         0.1 mm           Canductor vire         0.25 m <sup>2</sup> Diameter of single wires         0.1 mm           Canductor vire         0.25 m <sup>2</sup> Diameter o	Stranding	
Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         14.3 mm           Tolerance outer diameter (jacket)         4.3 mm           Tolerance outer diameter (jacket)         5 %           Material wire insulation         PP           Arnount wires         3           Outer diameter tolerance oure insulation         1.5 %           Shore hardness wire insulation         7.4 ± 3 Shore D           Ingredient freeses wire insulation         7.4 ± 3 Shore D           Ingredient freeses wire insulation         0.25 mm²           Annount strands (wire)         32           Diameter of single wires         0.1 mm           Conductor orsesservier soutation         4.5 m²           Threwing distance (C-rack)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (slandard)         1.0 IN VE 0298-4           Current load capacity (slandard)         5 D Wir @ 20 °C           Ack withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Dine Hard (Kram)         30 °C / 30 °C @ 10000 h Operation           Operating temperature (istatc)         40 °C <td>wire arrangement</td> <td>brown, black, blue</td>	wire arrangement	brown, black, blue
Shore hardness jacket         58 ± 3 Shore D           Freedom trom ingredients (jacket)         Iaed/tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         ± 5 %           Material wer insulation         PP           Anount wires         3           Outer diameter (sheath)         ± 5 %           Shore hardness wer insulation         ± 5 %           Shore hardness were insulation         ± 5 %           Shore hardness were insulation         ± 5 %           Shore hardness were insulation         ± 5 %           Manuet viter insulation         ± 5 %           Amount strands (wire)         3           Diard diameter tolerance core insulation         ± 5 %           Amount strands (wire)         32           Diameter of single wies         0.1 mm           Conductor type (wire)         strande doxpe wire, bare           Conductor type (wire)         strande doxpe vire, bare           Conductor type (wire)         strande doxpe vire, bare           Current tod capacity (standard)         to IN VDE 0298-4           Current tod capacity (standard)         4.5 A           Electrical arisatione line constant wire         79 Ohm @ 20 *C           AC withstand voltage (wire - wire)         2.5 KV @ 60 s      <	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)         lead-free, cadmium free, CFC-free, halogen-free, silicone-free           Outer-dimenter (jacket)         4.3 mm           Torarco.couter dimenter (healt)         5 %           Material wire insulation         PP           Amount wires         3           Outer dimenter terinutation         1.25 mm           Outer dimenter terinutation         5 %           Shore hardness wire insulation         7.4 1.3 Shore D           Impardent Themess wire insulation         7.4 1.3 Shore D           Conductor crossection (wire)         0.25 mm <sup>3</sup> Conductor vire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Control tot acapacity (standard)         Io DIN VE C289-4           Current load capacity (standard)         Io DIN VE C289-4           Current load capacit	Material jacket	
Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter insulation     15 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     164 %       Manount stands (wire)     32       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.25 mm²       Outer diameter toxic wire insulation     1.85 mm²       Conductor vises eaction (wire)     0.25 mm²       Conductor vises eaction (wire)     0.25 mm²       Conductor vises eaction (wire)     0.1 mm       Conductor vises eaction (wire)     0.25 mm²       Contraction type (wire)     strand class 6       Traversing distance (C+track)     5 m @ 25 °C   horizontal       Normal voltage AC max.     300 V       Current load capacity (strandstrid)     to DIN VDE 0298-4       Current load capacity (min, wire     4.5 A       Current load capacity (withstand voltage (wire - vire))     2.5 KV @ 60 9       Min. operating temperature		
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Anount wires       3         Outer diameter insulation       1,25 mm         Outer diameter insulation       1 % 3 Shore D         Ingredient freeness wire insulation       1 % 3 Shore D         Ingredient freeness wire insulation       1 # 5 %         Shore hardness wire insulation       1 # 5 %         Ingredient freeness wire insulation       1 # 4 % 3 Shore D         Ingredient freeness wire insulation       1 # 4 % 3 Shore D         Conductor vire       32         Diameter of single wires       0,1 mm         Conductor vire       Stranded copper wire, bare         Conductor vire       Stranded cosper wire, bare         Conductor vire       Stranded cosper wire, bare         Conductor vire       S m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (int wire)       4,5 A         Electrical resistance line constant wire       7 9 QArkm @ 20 °C         AG withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency Withstard voltage (wire)       40 °C         Min. operating temperature funz. (dynamic)       25 °C @ 10000 h Operation         Operating temperature max. (dy		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freesess wire insulation         184 free, admium-free, CFC-free, halogen-free           Amount strands (wire)         32           Diameter of single wires         0.1 mm           Conductor crossess wire insulation         0.25 mn <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (Crack)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current Load capacity (min. wire)         45 Å           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstard voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstard voltage (wire - wire)         2.5 kV @ 60 s           Operating temperature (keod)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (keod)         80 °C / 90 °C @ 10000 h Operation           UP resistance         Dinc K 0332.82 / UL 1581 § 1100 TT2 / UL 1581 § 1030           chennical resistance <td< td=""><td>Outer-diameter (jacket)</td><td>4,3 mm</td></td<>	Outer-diameter (jacket)	4,3 mm
Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         2 5 %           Shore hardness wire insulation         2 4 3 Shore D           Ingredient treeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor rowssection (wire)         0.25 mm²           Conductor wire         Stranded copper wire, bare           Conductor wire         Strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (sindardor)         DDI ND ID 10294-4           Current load capacity (sindardor)         DDI ND ID 10294-4           Current load capacity (sindardor)         DDI ND E0 298-4           Current load capacity (sindardor)         DDI ND E0 298-4           Current load capacity (sindardor)         DO 'C AD @ C           Adv witstand voltage (wire - wire - 2.5 kV @ 60 s           Row entroquency withstand voltage (wire - 2.5 kV @ 60 s           Doperating temperature (static)         -40 °C           Min. operating temperature (static)         60 °C / 90 °C @ 10000 h Operation           O	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         15 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         164 free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor rossessection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor rossessection (wire)         5.7 mg 25 °C   horizontal           Nominal vottage AC max.         300 V           Current load capacity (standard)         to IN VDE Co288-4           Current load capacity (wire)- wire)         2,5 kV @ 60 s           Prover frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Prover frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min: operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temperature (static)         40 °C           Conductor coresset         50 °C (20 0000 h Operation           Operating temperature (static)         40 °C           Hanse cestance         Good, application-related testing           Gasoline resistance	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %.           Shore hardness wire insulation         74 ± 3 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 trops devices         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 TONE 0290 °C           Operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Op	Amount wires	3
Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-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 yree (wire)         stranded copper vire, bare           Corrent load capacity (standard)         to DIN VDE 028-4           Corrent load capacity min. wire         4.5 A           Electrical resistance         Str V@ 60 s           Power frequency withstand voltage (wire -         2.5 kV @ 60 s           Power frequeny	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0.1 mm           Conductor or sussection (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 (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN WE 0290 °C           Ad withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           U' resistance         DIN EN ISO 4892 2 A      <	Outer diameter tolerance core insulation	±5%
Amount strands (wire)     32       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.25 mm <sup>9</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 (standard)     to DIN VDE 0298-4       Current load capacity (min. wire     4,5 A       Electrical resistance line constant wire     79 0,km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Versistance     DIN EN ISO 4892-2 A       Flame resistance     EIC 60332-2:2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Bending radius (tived)     5 x Cuter diameter       No. of bending cycles (C-track)     10 Mo. @ 25 °C       No. of bending cycles (C-track)     10 Mo. @ 25 °C       No. of torsion cycles     <	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C (Intrizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - jack k)         5 0°C / 90 °C @ 10000 h Operation           Operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Doperating temperature (static)         -80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         IEC 60332-2-21 [UL 1581 § 1100 FT2   UL 1581 § 1090	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 DIN VDE 029 °C           Ac withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation <td>Amount strands (wire)</td> <td>32</td>	Amount strands (wire)	32
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 (in wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - vire)         2.5 kV @ 60 s           Dower frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Dower frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Dower frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Dower frequency withstand voltage (wire)         2.5 kV @ 60 s           Dower fait temperature (static)         -40 °C	Diameter of single wires	0,1 mm
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         4.5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         25 °C           Operating temperature min. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         Ele C60322-2.2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           No. of torsion cycles         1 Mio.           Torsion speed         15 cycles/min           Torsion speed         35 cycles/min           Torsion speed         35 cycle	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Traversing distance (C-track)       5 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       10 DIN VDE 0298-4         Current load capacity (standard)       79 ΩKm @ 20 °C         AC withstance line constant wire       79 ΩKm @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - is, kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UY resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DiN EN 1608 11-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	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       4.5 A         Electrical resistance line constant wire       79 Q/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       -40 °C         akcet)       -40 °C         Max. operating temperature (static)       -40 °C         Depreting temperature (static)       -40 °C         Operating temperature (static)       -40 °C         Operating temperature (static)       -40 °C         Operating temperature max. (dynamic)       -25 °C         Olin esistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Olir esistance<	Conductor type (wire)	strand class 6
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       79 Q/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - acket)       40 °C         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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN X Outer diameter         Bending radius (fixed)       5 x Outer diameter         No. of bending cycles (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion speed       35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - acket)     2,5 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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 1604892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oli resistance     IDN EN 160811-404   Good, application-related testing       Oil resistance     IDN N 000 more 25 °C       No. of bending cycles (C-track)     10 Mio. @ 25 °C       No. of torsion cycles     1 Mio.       Torsion speed     35 cycles/min       Torsion speed     5 cycles/min       Torsion stariff number     854	Nominal voltage AC max.	300 V
Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion speed       35 cycles/min         Torsion stress       ± 360 °/m         Commercial data       85444290         GTIN       4048879666268	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -20 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oll resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (fixed)       10 x Outer diameter         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion stress       ± 360 °/m         Commercial data       85444290         GTIN       4048879666288	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)       2,5 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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 08011-404   Good, application-related testing         Oil resistance       DIN EN 08011-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         No. of bending cycles (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion speed       35 cycles/min         Torsion stress       ± 360 °/m         Commercial data       25444290         GTIN       4048879666268 <td>Electrical resistance line constant wire</td> <td>79 Ω/km @ 20 °C</td>	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)     -40 °C       Min. operating temperature (static)     -40 °C       Max. operating temperature (ixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 160811-404   Good, application-related testing       Oil resistance     DIN EN 06911-404   Good, application-related testing       Oil resistance     DIN EN 06911-404   Good, application-related testing       Oil resistance     DIN EN 06911-404   Good, application-related testing       No. of bending cycles (C-track)     10 Nio. @ 25 °C       No. of torsion cycles     1 Mio.       Torsion speed     35 cycles/min       Torsion speed     35 cycles/min       Torsion stress     ± 360 °/m       Commercial data     85444290       GTIN     4048879666268	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 160811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mCommercial data85444290GTIN4048879666268	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (gynamic)10 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mCommercial data85444290GTIN4048879666268	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mCommercial dataEst44290GTIN4048879666268	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mcustoms tariff number85444290GTIN4048879666268	Operating temperature min. (dynamic)	-25 °C
Flame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mcustoms tariff number85444290GTIN4048879666268	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mcustoms tariff number85444290GTIN4048879666268	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mCommercial datacustoms tariff number85444290GTIN4048879666268	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion stress       ± 360 °/m         Commercial data         customs tariff number       85444290         GTIN       4048879666268	chemical resistance	Good, application-related testing
Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion speed       35 cycles/min         Torsion stress       ± 360 °/m         Commercial data         customs tariff number       85444290         GTIN       4048879666268	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/minTorsion stress± 360 °/mCommercial datacustoms tariff number85444290GTIN4048879666268	Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of bending cycles (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         1 Mio.           Torsion speed         35 cycles/min           Torsion stress         ± 360 °/m           Commercial data         S5444290           GTIN         4048879666268	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     1 Mio.       Torsion speed     35 cycles/min       Torsion stress     ± 360 °/m       Commercial data       customs tariff number       85444290       GTIN     4048879666268	Bending radius (dynamic)	10 x Outer diameter
Torsion speed         35 cycles/min           Torsion stress         ± 360 °/m           Commercial data         55444290           GTIN         4048879666268	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Torsion stress ± 360 °/m Commercial data customs tariff number 85444290 GTIN 4048879666268	No. of torsion cycles	1 Mio.
Commercial data       customs tariff number     85444290       GTIN     4048879666268	Torsion speed	35 cycles/min
customs tariff number         85444290           GTIN         4048879666268	Torsion stress	± 360 °/m
GTIN 4048879666268	Commercial data	
	customs tariff number	85444290
Packaging unit 1	GTIN	4048879666268
	Packaging unit	1

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: 2024-05-02

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