

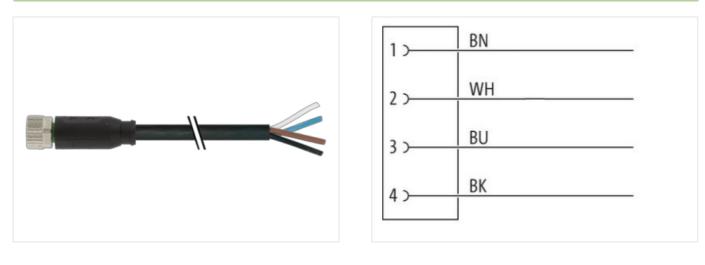
## M8 female 0° A-cod. with cable

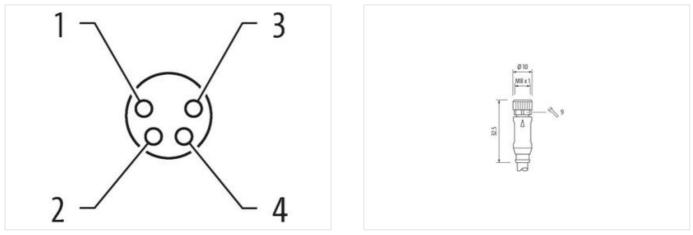
PVC 4x0.25 bk UL/CSA 10m

Female straight M8, 4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration





Product may differ from Image



10 m

0,4 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: 2024-04-02

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Family construction form Thread	M8 M8 x 1
suitable for corrugated tube (internal Ø) Material contact	6,5 mm Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
	20
Stripping length (jacket) Coating contact	20 mm
	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311
ETIM-5.0	27060311 EC001855
customs tariff number	85444290
GTIN	4048879229470
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max. Operating voltage AC (UL-listed)	60 V 30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
-	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	

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Operating improvative max.         B 5 C           Additional condition temperature range         depending on cable quality           Contornity         Product standard         DIN EN 61076-2-114 (M8)           Installation ( Cable         Contornity         Contornity           Cable identification         011         Contornity           Material jacket         B 5 C 6 M         Contornity           Material jacket         PVC         Contornity           Cable identification         1.5 %         Contornity           Material wave insulation         1.5 %         Contornity           Cable identification         1.5 %         Contornity           Material wave insulation         1.6 5 %         Contornity           Material wave insulation         1.6 5 %         Contor conis wave	Operating temperature min.	-25 °C
Contornity         Product Standard         DIN EN 61075 2.114 (M6)           Installation   Cable         Cable identification         611           Cable identification         611         Cable identification         1           Cable identification         1         1         Standard           Type of Certificatie         CURus         Amount stranding         1           Stranding         4 vise lostada         Currus         Cable dentification         Cable dentification           Cable dentification         547,6 0/m         Stranding	Operating temperature max.	85 °C
Product standard         DN EN 81076-2114 (M8)           Installication         G11           Cable identification         G11           Cable identification         G11           Jacket Color         black           Type of Certificate         cl/Pus           Anount standing         1           Stranding         4 Wrest wisted           wire arrangement         brow, black, blue, white           Cable weighth         34,76 g/m           Mataral jacket         FVC           Strese hardness jacket         85 s 5 Shore A           Freedom from Ingredents (jacket)         Its ad-free, cadmium-free, CFC-free, silicone-free           Outer diameter ingredents (jacket)         4 B m           Tolerance outer diamoter (sheath)         1 5 %           Materal wire insulation         1 25 rm           Outer diameter ingredent (sheath)         1 25 m           Outer diameter ingredent (sheath)         1 25 mm           Outer diameter ingredent (sheath)         2 5 %           Store D         Materal onductore another ingredent (sheath)         2 5 % </td <td>Additional condition temperature range</td> <td>depending on cable quality</td>	Additional condition temperature range	depending on cable quality
Installation ( Cable           Cable identification         611           Cable Stype         1           Jacket Color         black           Type of Certificate         CURus           Anounis faranding         1           Stranding         4 wires hvisted           wire arrangement         brown, black, blau, while           Cable weight         34,76 g nn           Material jackat         PVC           Shore hordness jacket         85 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (shatton)         5.5 %           Material proteins wire insulation         PVC           Anount wires         4           Cuter diameter insulation         1.25 mm           Cuter diameter insulation         1.45 %           Shore hordness wire insulation         4.5 % Shore D           Material properties wire insulation         4.5 % Shore D           Material properties wire insulation         1.55 mm           Cand canceout free insulation         4.5 % Shore D           Material properties wire insulation         4.5 % Shore D           Material conductor wires <t< td=""><td>Conformity</td><td></td></t<>	Conformity	
Cable identification         611           Cable identification         611           Cable Type         1           Jocket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wires arrangement         brown, black, blue, white           Cable weigh         34,76 gm           Material jacket         PVC           Store Indendess jacket         85 5 5 Shore A           Freedom from ingredients (jacket)         4.8 mm           Tolerance outer diamater (sheath)         1 5 %           Amount wires         4           Outer diamater (inslutation         PVC           Amount wires         4           Outer diamater inslutation         1,25 mn           Cuter diamater inslutation         1,25 mn           Conductor type (wire)         0,25 mm <sup>2</sup> Conductor type (wire)         0,25 mm <sup>2</sup> Amount strands (wire)         1,4           Diameter of single wires         0,15 mn	Product standard	DIN EN 61076-2-114 (M8)
Cable Type1Jacket ColorblackType of CertificatecUlusAmount stranding1Straining4 wires twistedwire arrangementbrown, black, blue, whiteCable weight34,76 g/mMaterial jacketPVCShore hardness jacket85.5 Shore AFreedom from ingredients (jacket)less/stee, cardinum-free, CFC-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (rhauti)4,5 %Material insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,45 %Shore hardness wire insulationlead-free, cardinum-free, CFC-free, silicone-freeAmount wires4Durber diameter insulationlead-free, cardinum-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor type (wire)Stranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vire (wire)3,8 ACurrent load capacity (strandard)10 NIV DE 028-4Current load capacity (mithant wire)3,0 VPower tage.expression80 VPower tage.expression90 °COperating temperature (mither)80 °COperating temperature (mither)8	Installation   Cable	
Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, while           Cable weigh         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-tree, cadmium-free, CFC-free, silicone-free           Outer -diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PVC           Arnount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         4.5 5 Shore D           Material propriets wire insulation         4.5 5 Shore D           Material propriets wire insulation         4.5 5 Shore D           Material opporteries wire insulation         1.4 Smm           Duarter of single wires         0.15 mm           Conductor crossection (wire)         0.25 mm²           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare	Cable identification	611
Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, while           Cable weigh         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-tree, cadmium-free, CFC-free, silicone-free           Outer -diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PVC           Arnount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         4.5 5 Shore D           Material propriets wire insulation         4.5 5 Shore D           Material propriets wire insulation         4.5 5 Shore D           Material opporteries wire insulation         1.4 Smm           Duarter of single wires         0.15 mm           Conductor crossection (wire)         0.25 mm²           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare	Cable Type	1
Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       34,76 g/m         Material jacket       PVC         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lad-free, cadmium-free, CPC-free, silicone-free         Outer-diameter (jackat)       4,8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       4         Outer diameter insulation       PVC         Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter insulation       45 ± 5 Shore D         Material wire insulation       45 ± 5 Shore D         Material properties wire insulation       46 ± 5 Shore D         Ingredient freeness wire insulation       14 ± 5 %         Diameter of single wires       0,15 mm         Conductor rowsection (wire)       0,25 mm <sup>2</sup> Conductor vire       Stranded copper wire, bare         Conductor tracessection (wire)       0,25 mm <sup>2</sup> Material conductor wire       S6 A         Electrical resistance line constant wire       79 C Mm @ 20 ° C		black
Stranding         4 wires twisted           wire arrangement         brown, Diack, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         65 ± 5 Shore A           Freedom from ingredients (jacket)         4,8 mm           Tolerance outer diameter (jacket)         4,8 mm           Tolerance outer diameter (jacket)         4,8 mm           Tolerance outer diameter (jacket)         4,8 mm           Outer diameter isulation         PVC           Amount wires         4           Outer diameter isulation         1,25 mm           Outer diameter isulation         4,5 %           Shore hardness wire insulation         4,5 %           Shore hardness wire insulation         4,5 %           Shore hardness wire insulation         1,25 mm           Conductor crossection (wire)         1,4 free, eadminum-free, CFC-free, silicone-free           Amount strands (wire)         14           Dameter of single wires         0,15 mm           Conductor crossection (wire)         0,25 mm <sup>2</sup> Material oronductor wire         SA           Conductor wire datapacity inti. wire         3,6 A           Electrical resistance line constant wire         79 Ω/m @ 20 °C <td>Type of Certificate</td> <td>cURus</td>	Type of Certificate	cURus
wire arrangement         brown, black, blue, white           Cable weight         34.76 g/m           Material jacket         PVC           Shore hardness jacket         65 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CPC-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (jacket)         4.9 m           Outer diameter (jacket)         4.9 %           Matorial jacket         8 %           Matorial wire insulation         PVC           Armount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Material properties wire insulation         4.5 ± S Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,25 mm²           Conductor trossection (wire)         0,25 mm²           Conductor trossection (wire)         0,25 mm²           Material properties were insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         0,15 mm	Amount stranding	1
Cable weigh     34,76 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4,8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4       Outer diameter risulation     PVC       Amount wires     4       Outer diameter risulation     1,25 mm       Outer diameter rolerance core insulation     ± 5 %       Shore hardness wire insulation     god machinability       Ingredient freeness wire insulation     god machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount stands (wire)     14       Diameter of single wires     0,15 mm       Conductor type (wire)     Standed copper wire, bare       Conductor type (wire)     Standed copper wire, bare       Conductor type (wire)     Standed copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0290 °C       Naminal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - wire)     2 kV @ 60 s       Min: operating temperature (fixed)	Stranding	4 wires twisted
Cable weigh         34,76 g/m           Material jacket         PVC           Shore hardness jacket         65 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         45 ± 5 Shore D           Material wire insulation         god machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount stands (wire)         14           Dameter of single wires         0,15 mm           Conductor type (wire)         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0290 °C           Namial voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s <tr< td=""><td>wire arrangement</td><td>brown, black, blue, white</td></tr<>	wire arrangement	brown, black, blue, white
Shore hardness jacket         B5 ± 5 Shore A           Freedom torn ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter (insulation         1.25 mm           Outer diameter insulation         4.5 % Shore D           Shore hardness wire insulation         4.5 ± 5 Shore D           Material properties wire insulation         4.5 ± 5 Shore D           Material properties wire insulation         goad machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor royseetion (wire)         Stranded copper wire, bare           Conductor owire	Cable weigth	34,76 g/m
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         4 5 ± 5 Shore D           Material properties wire insulation         4 5 ± 5 Shore D           Material properties wire insulation         4 5 ± 5 Shore D           Material properties wire insulation         4 5 ± 5 Shore D           Material conductor wire         Strandcamm-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor crossection (wire)         0.25 mm <sup>9</sup> Material conductor wire         Stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4		-
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       4         Outer diameter outer diameter (sheath)       ± 5 %         Shore hardness wire insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         Diameter of single wires       0.15 mm         Conductor type (wire)       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Conductor type (wire)       Strande copper view, bare         Conductor type (wire)		85 ± 5 Shore A
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         Diameter of single wires       0.15 mm         Conductor crosssection (wire)       0.25 mm <sup>2</sup> Material conductor wire       Strand class 5         Current load capacity min. wire       3.6 A         Electrical resistance line constant wire       79 Qkm @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max operating temperature (static)       -30 °C         Max operating temperature (static)       -5 °C         Operating tempe		lead-free, cadmium-free, CFC-free, silicone-free
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         Diameter of single wires       0.15 mm         Conductor crosssection (wire)       0.25 mm <sup>2</sup> Material conductor wire       Strand class 5         Current load capacity min. wire       3.6 A         Electrical resistance line constant wire       79 Qkm @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max operating temperature (static)       -30 °C         Max operating temperature (static)       -5 °C         Operating tempe	Outer-diameter (jacket)	4,8 mm
Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       45 ± 5 Shore D         Material properties wire insulation       45 ± 5 Shore D         Material properties wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       0,25 mm²         Material provide wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity withstand voltage power (wire - wire)       2 kV @ 60 s         Ac withstand voltage power (Wire - wire)       2 kV @ 60 s         Max. operating temperature (static)       -30 °C		±5%
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor cosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor wire         Strand class 5           Current load capacity (standard)         to DI N VDE 0298-4           Current load capacity min. wire         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Mar. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Operating temperature (min. (dynamic)         -5 °C           Operating temperature (min. (dynamic)         -5 °C           Operating temperature min. (dynamic) <td< td=""><td>Material wire insulation</td><td>PVC</td></td<>	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor vire         Strande copper wire, bare           Courrent load capacity (standard)         to DIN VDE 0296-4           Current load capacity (standard)         to DIN VDE 0296-4           Current load capacity min. wire         3.6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power         2 kV @ 60 s           Min: operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Operating temperature (static)         -5 °C           Operating temperature max. (dynamic)         5 °C           Operating temperature max. (dynamic)         5 °C           Operating temperature max. (dynamic)	Amount wires	4
Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Operating temperature (tree)         80 °C           Operating temperature (dynamic)         5 °C           Operating temperature min. (dynamic)	Outer diameter insulation	1,25 mm
Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor rosssection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3.6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Operating temperature (static)         -5 °C           Operating temperature min. (dynamic)         80 °C           Operating temperature min. (dynamic)	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       3,6 A         Electrical resistance line constant wire       79 0/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature fixed       80 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       EC6 6032-2-2 I UL 1581 § 100 / UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oli resistance       Good, application-related testing         Oli resistance       DIN EN 60811-404   Good, application-related testing <t< td=""><td>Shore hardness wire insulation</td><td>45 ± 5 Shore D</td></t<>	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)14Diameter of single wires0.15 mmConductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3.6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 s(wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (static)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical 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 diameter	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNomial voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature (ifixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 6032-2-2   UL 1581 § 1000   UL 1581 § 1100 FT2chemical 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 diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2:2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 160811-404   Good, application-related testingGil resistanceDIN EN 160811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Amount strands (wire)	14
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       3,6 A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Current Ioad capacity (standard)to DIN VDE 0298-4Current Ioad capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Conductor type (wire)	Strand class 5
Electrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Current load capacity min. wire	3,6 A
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 600411-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
(wire - jacket)     2 kV @ 60 s       AC withstand voltage power (wire - wire)     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (fixed)     80 °C       Operating temperature min. (dynamic)     -5 °C       Operating temperature max. (dynamic)     80 °C       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter	Nominal voltage power AC max.	300 V
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceOod, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingSol resistanceS × Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingSending radius (fixed)5 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical 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	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical 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	Max. operating temperature (fixed)	80 °C
UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical 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	Operating temperature min. (dynamic)	-5 °C
Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical 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	Operating temperature max. (dynamic)	80 °C
chemical 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	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed)     5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic)     10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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: 2024-04-02

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