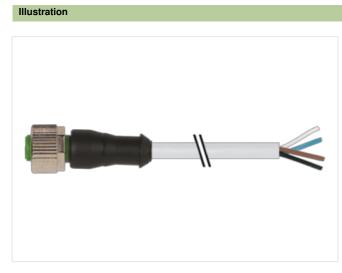


## M12 female 0° A-cod. with cable

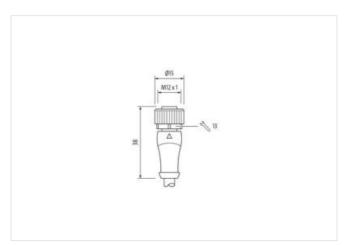
PVC 4x0.34 gy UL/CSA 2.5m

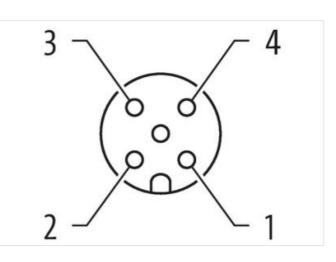
Female straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



Cable length	2,5 m
Side 1	
Tightening torque	0,6 Nm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-02

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879844321
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	
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)
nation in this Product-PDF has been compiled with th	

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## Installation | Cable

Jacket Cobr gray Type of Certificate oLRus Anount stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, while Cabbe weigh 40,7 g/m Material jacket 9VC Shore hardness jacket 85 1 Shore A Freedom from ingredients (acket) 5 mm Tolerance outer diameter (sheath) ± 5 % Anount strands in provent the exact free, calcinoue-free Outer-diameter (sheath) ± 5 % Anount strands in provent the sector of the exact free in the sector of the se	Installation   Cable	
Cable Type         1           Jacket Color         gray           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wites twisted           wite arrangement         Drown, black, blue, witie           Cable weight         40.7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         5 mm           Tolerance user diameter (sheath)         ± 5 %           Material invie insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Material properies wire insulation         1,25 mm           Outer diameter insulation         1,25 mm           Conductor rossection (wire)         1,9 mm           Damount strands (wire)         19           Diama	wire arrangement	brown, black, blue, white
Jacket CobrgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whileCable weight40,7 g/mMaterial jacketPVCShore hardness jacket65 ± 5 shore AFreedom from ingredients (jacket)68 ± 5 shore AFreedom from ingredients (jacket)5 mmTolerance outer diameter (jacket)5 %Material via insulationPVCAmount strands4Outer diameter (isoket)1 5 %Material via insulationPVCAmount strands4Outer diameter insulation1,25 mmOuter diameter insulation9 CVCAmount strands9 cod machinabilityImgredient tiseness wire insulation1,25 mmOuter diameter insulation9 cod machinabilityImgredient tiseness wire insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,95 mmConductor crosses wire insulation1,95 mmDiameter of single wires0,15 mmConductor vines wire insulation1,95 mmConductor vinesStranded copper wire, bareConductor vinesStranded copper wire, bareCondu	Cable identification	214
Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, while           Cable weigh         40,7 gm           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)         ± 5 %           Material jacket         4           Outer diameter (jacket)         ± 5 %           Material properties wire insulation         PVC           Shore hardness wire insulation         ± 5 %           Outer diameter wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Material properties wire insulation         ± 5 %           Material properties wire insulation         ± 5 %           Mount strand (wire)         19           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Strande dooper wire, bare           Conductor vise (water)         5 D/km @ 20 *C           Current toad capacity (int wire)         2 VW @ 60 s	Cable Type	1
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 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)         5 mm           Tolerance outer diameter (sheath)         2 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         PVC           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         4 5 %           Material properties wire insulation         4 5 5 Shore D           Material properties wire insulation         fead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor wires         Stranded copper wire, bare           Conductor wires         Stranded copper wire, bare           Conductor wires         Stranded copper wire, bare           Conductor type (wire)         Stranded copper wire,	Jacket Color	gray
Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, OFC-free, silicone-free           Outer-diameter (iakent)         ± 5 %           Material arche outer (lawelt)         b mm           Tolerance outer (lawelt)         ± 5 %           Material wrie insulation         PVC           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Duter diameter tolerance core insulation         4,5 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strads (wire)         19           Diameter of single wires         0,15 mm           Conductor pree (wire)         Strand ded copper wire, bare           Conductor rupe (wire)         Strand ded copper wire, bare           Conductor type (wire) <td< td=""><td>Type of Certificate</td><td>cURus</td></td<>	Type of Certificate	cURus
wire arrangementbrown, black, blue, whileCable weight40.7 g/mCable weight40.7 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (slacket)± 5 %Material wei insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial arborn insulation45 ± 5 Shore DMaterial properties wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of sing wires0,15 mmConductor proper (wire)Stranded copper wire, bareConductor vireStranded copper wire, bareConductor vire (wire)Stranded copper wire, bareConductor vire (wire) <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight     40,7 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)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CF-free, silicone-free       Amount stands (wire)     19       Diameter of single wires     0.15 mm       Canductor crossection (wire)     0.34 mm <sup>9</sup> Meterial onductor wire     Stranded caper wire, bare       Canductor type (wire)     Strand class 5       Nominal voltage AC max.     300 V       Current toad capacity min. wire     4.8 A       Electrical resistance line constant wire     57 O/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - wire)     30 °C       Canductor type withstand voltage (wire - wire)     3	Stranding	4 wires twisted
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)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter (objection)         ± 5 %           Material wire insulation         1.25 mm           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         5 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, OFC-free, silicone-free           Amount stands (wire)         19           Diameter of single wires         0,15 mm           Conductor type (wire)         Strand class 5           Conductor type (wire)         Strand class 5           Conductor type (wire)         Strand dcass 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298	wire arrangement	brown, black, blue, white
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         5 mm           Toelance outer diameter (shealth)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         ± 5 %           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         4 ± 5 Shore D           Outer diameter (shealth)         g s %           Shore hardness wire insulation         g s 5 Shore D           Material properties wire insulation         g s f Shore D           Ingredient freeness wire insulation         g add free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor wires         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire)         2 KV @ 60 s           Rin, operating temperature (static)         -30 °C<	Cable weigth	40,7 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           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 wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor viree         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s	Material jacket	PVC
Outer-diameter (jacket)         5 mm           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)         19           Diameter of single wires         0.15 mm           Conductor crossection (wire)         0.34 mm²           Material conductor wire         Strande closes 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - ire)         30 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (mix-wire)         2 kV @ 60 s           Power frequenc	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1.25 mmOuter diameter insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Material properties wire insulation $\pm$ 5 %Material properties wire insulation $\pm$ 5 %Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0.15 mmConductor cossesceion (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand doas 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sOperating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature (static)5 °C <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor cossection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A <t< td=""><td>Outer-diameter (jacket)</td><td>5 mm</td></t<>	Outer-diameter (jacket)	5 mm
Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 hore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       19         Diameter of single wires       0,15 mm         Conductor rossection (wire)       0,34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - sile of s         Power frequency withstand voltage (wire - sile of s         Power frequency withstand voltage (wire - sile of s         Querating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature (static)       -80 °C         Operating temperature (static)       -80 °C         Operating temperature (static)<	Tolerance outer diameter (sheath)	±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)         19           Diameter of single wires         0.15 mm           Conductor wire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor vire (wire)         Stranded copper wire, bare           Conductor vire (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         4.8 A           Electrical resistance line constant wire         57 Q/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire)         2 kV @ 60 s           Power frequency withstand voltage (wire)         30 °C           Operating temperature (fixed)         -30 °C           Max. operating temperature (fixed)         -30 °C           Operating temperature (fixed)         80 °C <td>Material wire insulation</td> <td>PVC</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)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         -30 °C           Min. operating temperature (istatic)         -30 °C           Max. operating temperature (istatic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating tensistance         Good, app	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)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         57 Q/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -50 °C           Operating temperature (mixed)         80 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         Good, appli	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor rosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - vire)2 kV @ 60 sPower frequency withstand voltage (wire - attract)-30 °CMax. operating temperature (tixed)80 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)-6 °CFia	Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         -20 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Operating temperature (ixed)         80 °C           Flame resistance         LL 1581 § 1100 FT2   IEC 60322-2: 2   UL 1581 § 1090           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<	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 6032-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOut related testing relation related testingS × Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298.4Current load capacity (standard)to DIN VDE 0298.4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Amount strands (wire)	19
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNon operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Conductor crosssection (wire)	0,34 mm²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Conductor type (wire)	Strand class 5
Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Ocd, application-related testingStanceSo Ocd, application-related testingOil resistanceSo Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo od, application-related testingSo od, application-related testing5 x Outer diameter	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS v Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         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	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Sending radius (fixed)       5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         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	Max. operating temperature (fixed)	80 °C
Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         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	Operating temperature min. (dynamic)	-5 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Operating temperature max. (dynamic)	80 °C
Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance     Good, application-related testing   DIN EN 60811-404       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	Good, application-related testing   DIN EN 60811-404
	Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic) 10 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: 2024-06-02

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