

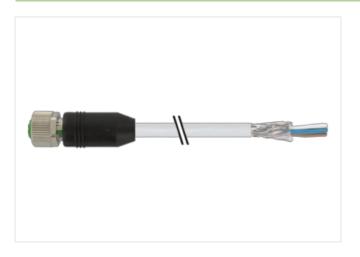
## M12 female 0° A-cod. with cable shielded

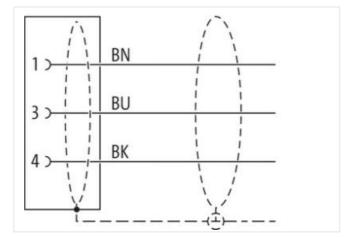
PVC 3x0.34 shielded gy UL/CSA 3m

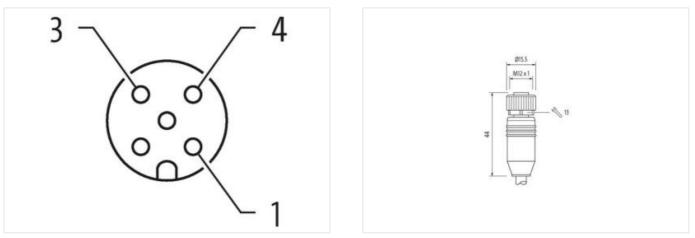
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



3 m

0,6 Nm

Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
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	4048879200417
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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	1,5 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	
	incented exercuted Chalking exertection
Mounting method Environmental characteristics   Climatic	inserted, screwed, Shaking protection
•	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	317

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Amount stranding         1           Stranding factor min.         40 mm           Stranding factor mix.         40 mm           Cable shieding (coverage)         65 %           Banding factor mix.         40 mm           Cable shieding (coverage)         65 %           Banding         Fleece, Foil           wire arrangement         brow, black, blue           Cable weight         55,1 g/m           Material jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         80 ± 5 Shore A           Toerano outer diameter (jacket)         80 ± 5 Shore A           Toerano outer diameter (jacket)         5.9 mm           Toerano outer diameter (jacket)         5.9 %           Material wire insulation         PVC           Shore hardnese picket         3           Outer diameter insulation         1.4 mm           Outer diameter insulation         1.5 mm           Conductor wire         0.5 mm           Conductor wire         Strande coper wire, bare	Jacket Color	gray
Stranding factor min.       40 mm         Stranding factor max.       40 mm         Cable shelding (coverage)       85 %         Banding       Pieece, Foll         wire arrangement       brown, black, blue         Cable shelding (coverage)       85 %         Banding       Pieece, Foll         wire arrangement       brown, black, blue         Cable weight       56.1 g/m         Material jacket       PVC         Shore hardness jacket       80 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmum-free, CFC-free, silicone-free         Outer-diameter (jacket)       5.9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       9.1 3 Shore A         Ingredient treeness wire insulation       9.1 3 Shore A         Mount strands (wire)       19         Dameter of single wires       0.15 mm         Canductor crossection (wire)       0.34 mm <sup>3</sup> Material avoiductor wire       Strand class 5         Max. rated valtage (conductor - conductor)       500 V         Max. rated valtage (conductor - conductor)       1.5 kV @ 80 s <td< td=""><td>Amount stranding</td><td>1</td></td<>	Amount stranding	1
Stranding factor max.     40 mm       Cable shielding (type)     coppor braid, finned       Cable shielding (coverage)     85 %       Barding     Fleece, Foll       wire arrangement     brown, black, blue       Cable weight     55, 1g nm       Material jackett     PVC       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jackaq)     5.3 mm       Tolerance outer diameter (jackaq)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Admiral wire insulation     PVC       Amount wires     3       Outer diameter insulation     1.4 mm       Outer diameter insulation     90 ± 3 Shore A       Ingredient froeness wire insulation     90 ± 3 Shore A       Ingredient froeness wire insulation     19       Diameter of single wires     0,15 mm       Conductor wires     Stranded copper wire, bare       Conductor viscosceton (wire)     03 unit       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - sendult)     1.5 kV @ 60 s       Power frequency withshand voltage (wire - shi	Stranding	3 wires twisted
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %.           Banding         Fleece, Foll           wire arrangement         brown, black, blue           Cable weight         56,1 g/m           Material jackst         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         16a 5 m           Outer-diameter (jacket)         5.9 mm           Tolerance outer diameter (shealth)         ± 5 %           Material jackst         PVC           Amount wires         3           Outer diameter (shealth)         ± 5 %           Material wire insulation         1,4 mm           Outer diameter tolerance core insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor weight weight         Stranded copper wire, bare           Conductor yree (wire) <td< td=""><td>Stranding factor min.</td><td>40 mm</td></td<>	Stranding factor min.	40 mm
Cable shielding (coverage)     85 %       Banding     Fleece, Foll       wire arrangement     brown, black, blue       Cable weigth     56,1 g/m       Material jacket     PVC       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.5 %       Matorial wire insulation     PVC       Amount wires     3       Outer diameter insulation     1.4 mm       Outer diameter insulation     9.0 ± 3 Shore A       Fore hardness wire insulation     9.0 ± 3 Shore A       Outer diameter insulation     9.0 ± 3 Shore A       Outer diameter insulation     9.0 ± 3 Shore A       Ingredient freeness wire insulation     1.4 mm       Outer diameter insulation     9.0 ± 3 Shore A       Ingredient freeness wire insulation     1.9 Sint B       Diameter of single wires     0.15 mm       Conductor type (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     0.30 V       Current tool capacity min. wire     6 A       Electrical resistance line constant wire     57 CMm @ 29 °C       Aw wirtstand voltage (wire - wire)     1.5 KV @ 60 s <td>Stranding factor max.</td> <td>40 mm</td>	Stranding factor max.	40 mm
Banding         Fleece, Foll           wire arrangement         brown, black, blue           Cable weight         56,1 g/m           Material jacket         PVC           Shore hardness jackat         60.1 5 Shore A           Freedom from ingredients (jacket)         16.4 free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter (sheath)         1.4 mm           Outer diameter (sheath)         1.5 %           Shore hardness wire insulation         1.4 mm           Outer diameter (sheath)         1.6 %           Shore hardness wire insulation         1.4 mm           Outer diameter (single vires         0.15 mm           Canductor crossection (wire)         0.34 mm²           Material onductor wire         Strand class 5           Conductor rype (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - orounductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE	Cable shielding (type)	copper braid, tinned
wire arrangement         brown, black, blue           Cable weight         56,1 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5.9 mm           Tolerance suter diameter (sheat)         5.9 mm           Outer diameter (jacket)         5.9 mm           Outer diameter insulation         PVC           Amount wires         3           Outer diameter insulation         1.4 mm           Outer diameter insulation         9.0 ± 3 Shore A           Ingredient freeness wire insulation         9.1 ± 5 %           Shore hardness wire insulation         9.0 ± 3 Shore A           Ingredient freeness wire insulation         9.1 ± 5 %           Diameter of single wires         0.15 mm           Conductor wires         Stranded copper wire, bare           Conductor virei         Stranded copper wire, bare           Conductor virei         Stranded copper wire, bare           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         1,5 kV @ 60 s      <	Cable shielding (coverage)	85 %
Cable weight         56, 1 g/m           Material jacket         PVC           Shore hardness jacket         80, 5 S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         5 5 %           Material wire insulation         PVC           Arnout wires         3           Outer diameter insulation         1.4 mm           Outer diameter locarce core insulation         1.5 %           Shore hardness wire insulation         90.1 3 Shore A           Ingredient freeness wire insulation         19 19           Dameter of single wires         0.15 mm           Conductor crossection (wire)         0.3 4 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor rossection (wire)         0.3 4 mm <sup>2</sup> Material conductor wire         Strand class 5           Max. rated voltage (conductor - conductor)         600 V           Max. rated voltage (wire - wire)         1,5 kV @ 60 s <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredents (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter loarance core insulation         1,4 mm           Outer diameter loarance core insulation         1.5 %           Shore hardness wire insulation         9.0 ± 3 Shore A           Ingredient freeness wire insulation         19 ± 3 Shore A           Ingredient freeness wire insulation         19 mm           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor vige (conductor - conductor)         500 V           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - constant wire         6 A           Electrical resistance line constant wire         6 A           Electrical resistance line constant wire         6 3 C           Power frequency withstand voltage (wire - wire)         1.5 kV @ 60 s           AC withstand voltage (wire - wire)         1.5 kV @ 60 s           AC	wire arrangement	brown, black, blue
Shore hardness jacket     80 ± 5 Shore A       Freedom trom ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,9 mm       Tolerance outer diameter (jacket)     5,9 mm       Material wire insulation     PVC       Amount wires     3       Outer diameter (jacket)     1,4 mm       Outer diameter insulation     90 ± 3 Shore A       Ingredient freeness wire insulation     90 ± 3 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount stands (wire)     19       Diameter of single wires     0,15 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor by (wire)     Strand class 5       Max. rated voltage (conductor - orgound)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - isone)     1,5 kV @ 60 s       Ac withstand voltage (wire - wire)     1,5 kV @ 60 s       Min. operating temperature (fixed)     80 °C       Operating temperatur	Cable weigth	56,1 g/m
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       5.9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1.4 mm         Outer diameter insulation       90 ± 3 Shore A         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> Material wire insulation       Stranded copper wire, bare         Conductor vire       Stranded copper wire, bare         Conductor vire       Stranded copper wire, bare         Conductor vire       Stranded copper wire, bare         Current load capacity (wire)       Strand class 5         Max, rated voltage (conductor - ground)       300 V         Current load capacity (mire)       1.5 kW @ 60 s         Power frequency withstand voltage (wire - sineld)       1.5 kV @ 60 s         Ac withstand voltage (wire - sineld)       1.5 kV @ 60 s         Ac withstand voltage (wire - sineld)       1.5 kV @ 60 s         Max - operating temperature (mixed)       8	Material jacket	PVC
Outer-diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         19           Diameter of single wires         0.15 mm           Conductor rossection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor vige (wire)         500 V           Max. rated voltage (conductor - conductor)         500 V           Carrent load capacity min. wire         6.A           Electrical resistance line constan	Shore hardness jacket	80 ± 5 Shore A
Tolerance outer diameter (shealth)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1.4 mm         Outer diameter insulation       90.4 3 Shore A         Ingredient freeness wire insulation       90.4 3 Shore A         Ingredient freeness wire insulation       19         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       0,34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor vire       Strande copper wire, bare         Conductor vire       Strande copset wire, bare         Conductor vire       Strande copset wire, bare         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         Ca withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand v	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           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 nm²           Material conductor vire         Stranded copper wire, bare           Conductor toge (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire)         1,5 kV @ 60 s           Ac withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Ac withstand voltage (wire - shield)         1,5 kV @ 60 s           Max. operature (static)         -40 °C           Ac withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operature max. (dynamic)         80 °C	Outer-diameter (jacket)	5,9 mm
Amount wires       3         Outer diameter insulation       1,4 mm         Outer diameter insulation       ± 5 %         Shore hardness wire insulation       90 ± 3 Shore A         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       19         Diameter of single wires       0,15 mm         Conductor rosssection (wire)       0,34 mm²         Material conductor wire       Strande copper wire, bare         Conductor type (wire)       Strand class 5         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity miwire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - hield)       1,5 kV @ 60 s         Mix. operating temperature (ixad)       80 °C         Operating temperature (ixad)       80 °C         Operating temperature mix. (dynamic)       80 °C         Operating temperature max. (dynamic)       80 °C         Operating temperature max. (dynamic)       80 °C         Operating temperature max. (dynamic)       80 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation       1,4 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       90 ± 3 Shore A         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       19         Diameter of single wires       0,15 mm         Conductor cosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire · wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire ·       1,5 kV @ 60 s         Ac withstand voltage (wire ·       1,5 kV @ 60 s         Min. operating temperature (fixed)       40 °C         Max. coperating temperature (fixed)       80 °C         Operating temperature (fixed)       80 °C         Operating temperature (fixed)       60 °C         Operating temperature (fixed)	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 3 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm           Conductor rorsssection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor ype (wire)         Strand class 5           Max. rated voltage (conductor - conductor)         500 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (stindard)         to DIN VDE 0298-4           Current load capacity (stindard)         to DIN VDE 0298-4	Amount wires	3
Shore hardness wire insulation       90 ± 3 Shore A         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)       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Conductor vire       Stranded copper wire, bare         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity wink wire       6 A         Electrical resistance line constant wire       57 Q/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Min. operating temperature (static) <td>Outer diameter insulation</td> <td>1,4 mm</td>	Outer diameter insulation	1,4 mm
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)       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Conductor type (wire)       Stranded copper wire, bare         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - orgound)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - lack w/m e - lack w/	Outer diameter tolerance core insulation	±5%
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VCurrent 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 (wire - wire)1,5 kV @ 60 sElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - inclust)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °COperating temperature max. (dynamic)50 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing<	Shore hardness wire insulation	90 ± 3 Shore A
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         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Carrent load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Carrent load capacity (standard)       to DIN VDE 0298-4         Corrent requency withstand voltage (wire - wire)       1,5 kV @ 60 s         Ac withstand voltage (wire - shield)       1,	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 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature (min. (dynamic))-5 °COperating temperature (min. (dynamic))80 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	Amount strands (wire)	19
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire - wire)       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature min. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Diameter of single wires	0,15 mm
Conductor type (wire)       Strand class 5         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       1,5 kV @ 60 s         AC withstand voltage (wire - shield)       1,5 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       God, application-related testing         Gasoline 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 60811-404   Good, application-related testing	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1.5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       1.5 kV @ 60 s         AC withstand voltage (wire - shield)       1.5 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         AC withstand voltage (wire - shield)       1,5 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Conductor type (wire)	Strand class 5
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	Max. rated voltage (conductor - ground)	300 V
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceI0 x Outer diameter	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceI0 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter		1,5 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)10 x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       10 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       10 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       10 x Outer diameter	Operating temperature min. (dynamic)	-5 °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)       10 x Outer diameter	Operating temperature max. (dynamic)	80 °C
Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       10 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed)     10 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic)     15 x Outer diameter	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 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: 2024-05-03

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