

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

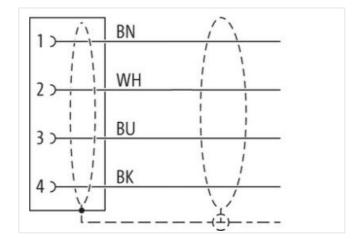
PVC 4x0.34 shielded bk UL/CSA 55m

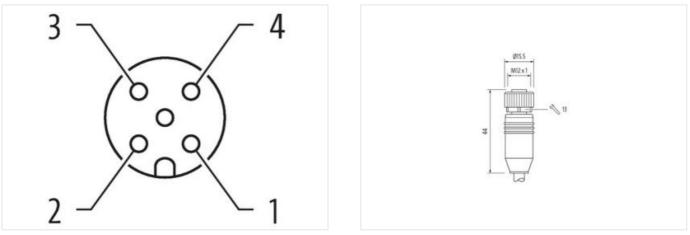
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



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: 2024-06-26

55 m

0,6 Nm

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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	4048879897259
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Dperating voltage DC max.	60 V
Deperating voltage AC (UL-listed)	30 V
Dperating 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	1,5 kV
Material group (IEC 60664-1)	I
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	
Nounting 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	
•	Brotost the connectors by quitable measures from mechanical leads a sub- when were of ashield as
Note on strain relief Note on bending radius	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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	

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Sakie Identification         179           saket Color         green           ype of Certificate         cURus           wnourt stranding         2           stranding (type 2)         1           Stranding (type 2)         2           Stranding (type 2)         3           Stranding (type 2)         4           Stranding (type 2)         3           Stranding (type 2)         4           Stranding (type 2)         5           Stranding (type 2)         5           Stranding (type 2) <th>wire arrangement</th> <th>brown, white, red, blue, pink, gray, yellow, green</th>	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Spee of Certificate         cU/Rus           innount if stranding         2           innount if stranding         2           innount if stranding         2 wice lwisled           innount if stranding (type 2)         1           if anding         Piece           if anding         Piece           if anding         Vice lwisled           if anding         Piece           if anding (type 2)         2 Stranded joints with Filler twisled           if anding         Piece           if anding (type 2)         2 Stranded joints with Filler twisled           if anding (type 2)         2 Stranded joints with Filler twisled           if anding (type 2)         2 Stranded joints with Filler twisled           if anding twis anding twisle         Piece           if anding twisle         Piece <td>Cable identification</td> <td></td>	Cable identification	
Spee of Carificate         cURus           innouri tarianding         2           innouri tarianding         2 wires livitated           innouri tarianding (type 2)         1           isranding         Plaece           arrading         Plaece           iiller         yes           wire arrangement         brown, white, red, blue, pink, gray, yellow, green           Zatel weigh         60.5 g/m           Attential joket         PVC           Disore hardness jaket         52.3 Shore A           readont nom ingredients (jakeh)         lead-free, cadmium-free, CFC-free           Zater sweigh         61.mm           foller-adoenced cadmeter (sheadh)         ± 5 %           Zater diameter insulation         FP           mount wres         4           Zuter diameter insulation         55 %           Dater diameter insulation         55 %           Shore D         Shore D           Dater diameter insulation         55 %           Shore D         Shore D           Dater diameter insulation         54 %           Shore D         Shore D           Shore Addresse wire insulation         55 %           PP         Shore D           Shore Addre	Jacket Color	green
Binnanding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints with Filler twisted           Banding         Fleece           Binner Stranding (type 2)         2 Stranded joints with Filler twisted           Banding         Fleece           Binner Strandes (type 2)         2 Stranded joints with Filler twisted           Banding         Fleece           Binner Strandes (type 2)         2 Stranded joints with Filler twisted           Stranded (type 2)         2 Stranded joints with Filler twisted           Banding (type 2)         2 Stranded joints with Filler twisted           Banding (type 2)         2 Stranded joints with Filler twisted           Banding (type 2)         2 Stranded joints with Filler twisted           Banding (type 2)         2 Stranded joints with Filler twisted           Date dameter (taket)         6.1 mm           Date dameter (taket)         1.5 %           Maderial wire insulation         1.1 mm           Duter dameter twisted         1.1 mm           Duter dameter strandes (twiste)         7           Dameter of single wires         2 A WG           Dameter of single wires         2 A WG           Dameter of single wires         2 A WG	Type of Certificate	cURus
binum stranding (type 2)         1           binum stranding (type 2)         2 Strandeg (type 2)           binum stranding (type 2)         2 Strandeg (onts with Filler twisted           stranding (type 2)         2 Strandeg (onts with Filler twisted           stranding (type 2)         9 Store A           stale weigh         60.5 g/m           datarial jacket         9 2± 3 Shore A           stale weigh         6.1 mm           forence outer diameter (sheath)         ± 5 %           batterial insulation         PP           Stare diameter (sheath)         ± 5 %           Juner diameter (sheath)         ± 5 %           Stare diameter (sheath)         ± 5 %           Juner diameter (sheath)         ± 5 %           Star diameter (sheath)         ± 5 %           Juner diameter (sheath)         ± 5 %           Star diameter (sheath)         ± 5 %           Juner diameter (sheath)         ± 6 %           Juner diameter (sheath)         ± 6 %	Amount stranding	2
Stranding (type 2)         2 Stranded joints with Filler twisted           Preace         Fleece           Iller         yes           wite arrangement         brown, white, red, blue, pink, gray, yellow, green           Zable weight         60.5 g/m           Alaerial jackat         PVC           Shore hardness jackat         92 ± 3 Shore A           Freedom from ingredients (jacket)         1 mm           Orderance outer diameter (sheath)         ± 5 %           Atterial jackst         PVC           Toilerance outer diameter (sheath)         ± 5 %           Atterial wire insulation         PP           Mount wires         4           Duter diameter wire insulation         1.1 mm           Shore hardness wire insulation         1.5 %           Shore hardness wire insulation         5.1 Shore D           Ingredient freeness wire insulation         5.4 AVG           Danet or single wires         24 AVG           Conductor ressection (wire)         7           Diameter of single wires         24 AVG           Conductor wire         copper strandod wire, finned           Conductor wire         copper strandod wire, finned           Conductor wire         copper strandod wire, finned           Conducto	Stranding	2 wires twisted
Banding     Fleece       iller     yes       vier arrangement     brown, white, red, blue, pink, gray, yellow, green       Sable weigh     60,5 g/m       Material jacket     PVC       Shore hardness jacket     92 2 3 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Duter diameter (jacket)     6,1 mm       Folderaria     0.5 k/%       Material wire insulation     PP       Vmount wires     4       Duter diameter insulation     1,1 mm       Duter diameter tolerance core insulation     5 %       Shore hardness wire insulation     55 ± 5 Shore D       Ingredient free-ress wire insulation     55 ± 5 Shore D       Ingredient free-ress wire insulation     55 ± 5 Shore D       Ingredient free-ress wire insulation     54 4/WG       Conductor crossection (wire)     7       Diameter of single wires     24 AWG       Conductor wire     copper stranded wire, finned       Alerial conductor wire     copper stranded wire, finned       Alerial conductor wire     copper stranded wire, finned       Alerial conductor wire     0.5 k/W @ 00 °       Carvet toad capacity (stin dradrad)     to DIN VDE 0299.4       Duranet toad capacity (stin dradrad)     0.5 k/W @ 00 s       Electrical resistance     100.0 <td>Amount stranding (type 2)</td> <td>1</td>	Amount stranding (type 2)	1
Her         yes           wire arrangement         brown, while, red, blue, pink, gray, yellow, green           able weigh         60,5 g/m           Atalarial jacket         PVC           Shore hardness jacket         92.2.3 Shore A           readom from ingredents (jacket)         82.4.3 Shore A           readom from ingredents (jacket)         6.1 mm           Colleration         9.7           Whore hardness wire insulation         7           Vuter diameter insulation         55 ± 5 Shore D           prigredient freeness wire insulation         1.4 mm           Shore hardness wire insulation         1.4 MVG           Auter of single wires         2.4 AWG           Conductor wire         copper stranded wire, immed           Shore hardness are of single wires         2.4 AWG           Conductor wire         copper stranded wire, immed           Conductor wire         copper stranded wire, immed           Conductor wire         0.5 KV @ 60 s           Contrand colapacity (fandard)         to DIN VDE 0298-4<	Stranding (type 2)	2 Stranded joints with Filler twisted
vire arrangement         brown, white, red, blue, pink, gray, yellow, green           zable weight         60,5 g/m           date/ail jacket         PVC           Shore hardness jacket         92 ± 3 Shore A           reedem from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Duter-diameter (jacket)         6,1 mm           Objerance outer diameter (sheat)         5,5 %           Jateral wire insulation         PP           Amount wires         4           Duter diameter insulation         1,1 mm           Duter diameter insulation         5 %           Shore hardness wire insulation         5 % 5 shore D           Ingredient freeness wire insulation         5 %           Shore hardness wire insulation         5 4 AWG           Advariad conductor orossection (wire)         24 AWG           Advariad conductor wire         copper stranded wire, tinned           Sonductor orossection (wire)         0,5 kV @ 60 s           Current toad capacity min. wire         36 A           Characteristic impedance         100 Ω           Capacitance ime constant wire	Banding	Fleece
Sable weigh     60,5 g/m       Material jacket     PVC       Shore hardness jacket     92 ± 3 Shore A       readom from ingredients (jacket)     Isad-free, cadmium-free, CFC-free       Duter diameter (jacket)     6,1 mm       Folderance outer diameter (shealth)     ± 5 %       Material wise insulation     PP       Vinount wires     4       Duter diameter insulation     1,1 mm       Duter diameter insulation     1,1 mm       Duter diameter insulation     5 ± 5 Shore D       Ingredient fereness wire insulation     56 ± 5 Shore D       Shore hardness wire insulation     16 ± 7 %       Jourer diameter insulation     54 ± 5 %       Opper stranded wire, UFC-free, halogen-free, silicone-free       Amount strands (wire)     7       Diameter of single wires     24 AWG       Orductor crossection (wire)     24 AWG       Conductor or cossection (wire)     24 AWG       Durrent load capacity (standard)     to DIN VDE 028-4       Durent load capacity (standard) </td <td>Filler</td> <td>yes</td>	Filler	yes
Idaterial jacket         PVC           Shore hardness jacket         92.4.3 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Uuber diameter (jacket)         6,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Ataterial wire insulation         PP           Material wire insulation         P           Duter diameter (sheath)         ± 5 %           Shore hardness wire insulation         1.1 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55.4 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Numout strands (wire)         7           Orameter of single wires         24 AWG           Oraductor consection (wire)         24 AWG           Conductor consection (wire)         25.4 X MG           Conductor consection (wire)         0.5 N W           Current toad capacity (standard)         10 DIV VDE 0294.4           Current toad capacity (standard)         0.0 Q           Current toad capacity (standard)         0.5 KV @ 60 s           Current toad capacity (standard)         0.5 KV @ 60 s           Current toad capacity (standarot)	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Shore hardness jacket         92 ± 3 Shore A           reedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Duter-diameter (jacket)         6,1 mm           Orlerance uter diameter (jacket)         ± 5 %           Material wire insulation         PP           Unort wires         4           Duter diameter tolerance core insulation         ± 5 %           Uter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         b5 ± 5 Shore D           ngredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Noront strands (wire)         7           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Danalet of single wires         24 AWG           Conductor wire         copper stranded wire, tinned           Onimal vottage 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)         0,5 kV @ 60 s           Christian to that act free, capacitance         87 Ωkm @ 20 °C           NC withstand voltage (wire - wire)         0,5 kV @ 60 s           Cove	Cable weigth	60,5 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Duter-diameter (jacket)         6,1 mm           Folarance outer diameter (sheath)         ± 5 %           Maderial wire insulation         PP           Anount wires         4           Duter diameter insulation         1,1 mm           Duter diameter insulation         ± 5 %           Store hardness wire insulation         ± 5 %           Store hardness wire insulation         5 ± ± 5 Shore D           ngredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Aderial conductor wire         copper stranded wire, tinned           Storical crosssection (wire)         24 AWG           Aderial conductor wire         copper stranded wire, tinned           Storent Dad capacity fits andard)         to DIN VDE 0296-4           Current Load capacity min. wire         3.6 A           Characteristic impedance         100 Ω           Characteristic impedance         4900 pF/km           Power frequency withstand voltage (wire - wire)         0.5 kV @ 60 s           Min. operating temperature (stati)         -40 °C           dax. operating temperat	Material jacket	PVC
Duter-diameter (jacket)         6,1 mm           Folderance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Muterial wire insulation         1,1 mm           Duter diameter insulation         ± 5 %           Shore hardness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Daterial conductor wire         copper stranded wire, tinned           Aterial conductor wire         copper stranded wire, tinned           Vorument load capacity (standard)         to DIN DE 0298-4           Durrent load capacity (standard)         to DIN DE 0298-4           Durrent load capacity (standard)         to DIN DE 0298-4           Current load capacity (standard)         to DIN DE 0298-4	Shore hardness jacket	92 ± 3 Shore A
Folerance outer diameter (sheath)         ± 5 %           Atterial wire insulation         PP           Amount wires         4           Duter diameter insulation         1.1 mm           Duter diameter insulation         5 ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Jiameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Dandet or single wires         24 AWG           Conductor crossection (wire)         24 AWG           Dandet or single wires         24 AWG           Conductor crossection (wire)         24 AWG           Dandet or single wires         24 AWG           Conductor crossection (wire)         24 AWG           Dandet or single wires         24 AWG           Conductor crossection (wire)         0 DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3.6 A           Characteristic inpedance         100 Ω           Electrical resistance line constant wire         87 Ωkm @ 20 °C           Co with stand volta	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Atterial wire insulation         PP           Amount wires         4           Duter diameter insulation         1,1 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Conductor wire         copper stranded wire, tinned           Vorminal votage 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 (win- wire)         3,6 A           Characteristic impedance         100 Ω           Electrical resistance line constant wire         87 O/km @ 20 °C           AC withstand voltage (wire - wire)         0,5 kV @ 60 s           Electric capacitanting temperature (static)         -40 °C           Adax. operating temperature (static)         -40 °C           Adax. operating temperature (static)         -5 °C           Opperating temperature	Outer-diameter (jacket)	6,1 mm
Amount wires         4           Duter diameter insulation         1,1 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Onductor wire         copper stranded wire, tinned           Nominal votage AC max.         300 V           Durrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         0.5 kV @ 60 s           Electrical resistance line constant wire         87 Ω/km @ 20 °C           CW withstand voltage (wire - wire)         0.5 kV @ 60 s           Electric capacitance         49000 pF/km           Power frequency withstand voltage (wire - do °C         40 °C           Aax. operating temperature (static)         -40 °C           Aparating temperature (static)         -5 °C           Opperating temperature (fixed)         80 °C           Diparating temperature (static)         -6 °C           Dipar	Tolerance outer diameter (sheath)	±5%
Duter diameter insulation         1,1 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         5± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Joiantet or disingle wires         24 AWG           Conductor crosssection (wire)         24 AWG           Joiantet or disingle wires         24 AWG           Joiantet or disingle wires         24 AWG           Joiantet consssection (wire)         24 AWG           Joiantet conssection (wire)         24 AWG           Joiantet conssection (wire)         24 AWG           Joint corressection (wire)         24 AWG           Joint conssection (wire)         24 AWG           Joint corressection (wire)         24 AWG           Joint conssection (wire)         24 AWG           Joint corressection (wire)         3.6 A           Joint constant wire         87 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         0.5 kV @ 60 s           Electric capacitance         49000 pF/km           Operating te	Material wire insulation	PP
Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Donductor corsessection (wire)         24 AWG           Ataterial conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN MØ 20 °C           AC withstand voltage (wire - wire)         0.5 kV @ 60 s           Electric capacitance         49000 pF/km           Po	Amount wires	4
Shore hardness wire insulation         55 ± 5 Shore D           ngredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Alaterial conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3.6 A           Characteristic impedance         100 Ω           Electrical resistance line constant wire         87 Q/km @ 20 °C           AC withstand voltage (wire - wire)         0.5 kV @ 60 s           Electrical resistance         49000 pF/km           Power frequency withstand voltage (wire - ackel)         0.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Adax. operating temperature (static)         -5 °C           Opperating temperature (maxil)         70 °C           Team resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           Chemical resistance         Good, application-related testing           Dire resistance         Good, application-related testing           Dire resistance	Outer diameter insulation	1,1 mm
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Material conductor wire         copper stranded wire, tinned           Vornial voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         0 DIN VDE 0298-4           Current load capacity (standard)         00 Ω           Electrical resistance line constant wire         3,6 A           Sharacter/sitic impedance         100 Ω           Electrical resistance line constant wire         87 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         0,5 kV @ 60 s           Electrical resistance         49000 pF/km           Power frequency withstand voltage (wire - acket)         40 °C           Max. operating temperature (fixed)         80 °C           Opperating temperature (min. (dynamic))         -5 °C           Opperating temperature max. (dynamic)         70 °C           Patameteristic ace         Good, application-related testing           Sasoline resistance         Good, application-related testing           Sasoline resistance <td< td=""><td>Outer diameter tolerance core insulation</td><td>± 5 %</td></td<>	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)         7           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Material conductor wire         copper stranded wire, tinned           Vominal voltage AC max.         300 V           Durrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Characteristic impedance         100 Ω           Electrical resistance line constant wire         87 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         0,5 kV @ 60 s           Electric capacitance         49000 pF/km           Power frequency withstand voltage (wire - acket)         0,5 kV @ 60 s           Min. operating temperature (istatic)         -40 °C           Aax. operating temperature (istatic)         -40 °C           Aax. operating temperature (istatic)         -5 °C           Opperating temperature max. (dynamic)         -5 °C           Opperating temperature max. (dynamic)         70 °C           Plane resistance         Good, application-related testing           Sasoline resistance         Good, application-related testing           Sasoline resistance         Good, application-related testing           Sasoline resistance         Good, application-related testing <td>Shore hardness wire insulation</td> <td>55 ± 5 Shore D</td>	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires24 AWGConductor crosssection (wire)24 AWGAterial conductor wirecopper stranded wire, tinnedNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 ACharacteristic impedance100 ΩElectrical resistance line constant wire87 Ω/km @ 20 °CAC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/km>ower frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CAax. operating temperature (fixed)80 °COpperating temperature min. (dynamic)-5 °COpperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Homical resistanceGood, application-related testingCasoline resistanceGood, application-related testingDil resistan	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         24 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Durrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 A           Characteristic impedance         100 Ω           Electrical resistance line constant wire         87 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         0,5 kV @ 60 s           Electric capacitance         49000 pF/km           Power frequency withstand voltage (wire - dynamic)         -5 «C           Operating temperature (static)         -40 °C           Aax. operating temperature (static)         -40 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -70 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing           Dasoline resistance         Good, application-related testing           Dasoline resistance         Good, application-related testing           Dasoline resistance         Good, application-related testing           Dil resistance	Amount strands (wire)	7
Attainal conductor wire       copper stranded wire, tinned         Nominal voltage AC max.       300 V         Durrent load capacity (standard)       to DIN VDE 0298-4         Durrent load capacity min. wire       3,6 A         Characteristic impedance       100 Ω         Electrical resistance line constant wire       87 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       0,5 kV @ 60 s         Electric capacitance       49000 pF/km         Power frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Vin. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Deperating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Plame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Basoline resistance       Good, application-related testing         Dil resistance       Good, application-related testing <t< td=""><td>Diameter of single wires</td><td>24 AWG</td></t<>	Diameter of single wires	24 AWG
Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       3,6 A         Characteristic impedance       100 Ω         Electrical resistance line constant wire       87 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       0,5 kV @ 60 s         Electric capacitance       49000 pF/km         Power frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Vin. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Deperating temperature (maximic)       -5 °C         Operating temperature max. (dynamic)       -5 °C         Deprating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Basoline resistance       Good, application-related testing         Dil resistance       Good, application-related testing   DIN EN 60811-404	Conductor crosssection (wire)	24 AWG
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         Characteristic impedance       100 Ω         Electrical resistance line constant wire       87 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       0,5 kV @ 60 s         Electric capacitance       49000 pF/km         Power frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Vin. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Opperating temperature min. (dynamic)       -5 °C         Opperating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         schemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Dil resistance       Good, application-related testing         Dil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 x Outer d	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire       3,6 A         Characteristic impedance       100 Ω         Electrical resistance line constant wire       87 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       0,5 kV @ 60 s         Electric capacitance       49000 pF/km         Power frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Ower frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Vin. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °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         Dil resistance       Good, application-related testing         Operating radius (installation)       x Outer diameter         Sending radius (fixed)       7 x Outer diameter	Nominal voltage AC max.	300 V
Characteristic impedance       100 Ω         Electrical resistance line constant wire       87 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       0,5 kV @ 60 s         Electric capacitance       49000 pF/km         Power frequency withstand voltage (wire - acket)       0,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature (min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °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         Dil resistance       Good, application-related testi	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire87 Ω/km @ 20 °CAC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sJin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDil resistanceGood,	Current load capacity min. wire	3,6 A
AC withstand voltage (wire - wire)0,5 kV @ 60 sElectric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sV@ 60 s-40 °CMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingBanding radius (installation)x Outer diameterSending radius (fixed)7 x Outer diameter	Characteristic impedance	100 Ω
Electric capacitance49000 pF/kmPower frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingBanding radius (installation)x Outer diameterBending radius (fixed)7 x Outer diameter	Electrical resistance line constant wire	87 Ω/km @ 20 °C
Power frequency withstand voltage (wire - acket)0,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)7 x Outer diameter	AC withstand voltage (wire - wire)	0,5 kV @ 60 s
acket)       0,5 kV @ 80 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °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         Dil resistance       Good, application-related testing         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 x Outer diameter	Electric capacitance	49000 pF/km
Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °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         Dil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 x Outer diameter	Power frequency withstand voltage (wire - jacket)	0,5 kV @ 60 s
Deperating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         Schemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Dil resistance       Good, application-related testing         Dil resistance       Good, application-related testing         Dil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 x Outer diameter	Min. operating temperature (static)	-40 °C
Deperating temperature max. (dynamic)       70 °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         Dil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 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         Dil resistance       Good, application-related testing         Dil resistance       Good, application-related testing         Dil resistance       Good, application-related testing   DIN EN 60811-404         Sending radius (installation)       x Outer diameter         Gending radius (fixed)       7 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
Chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Dil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     7 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance     Good, application-related testing       Dil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     7 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Dil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation)     x Outer diameter       Bending radius (fixed)     7 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed)     7 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
	Bending radius (installation)	x Outer diameter
3ending radius (dynamic)     12 x Outer diameter	Bending radius (fixed)	7 x Outer diameter
	Bending radius (dynamic)	12 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: 2024-06-26

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