

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

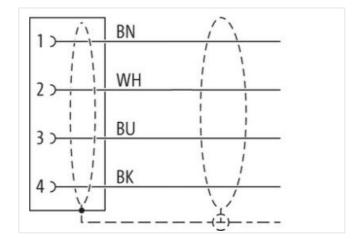
PVC 4x0.34 shielded bk UL/CSA 10m

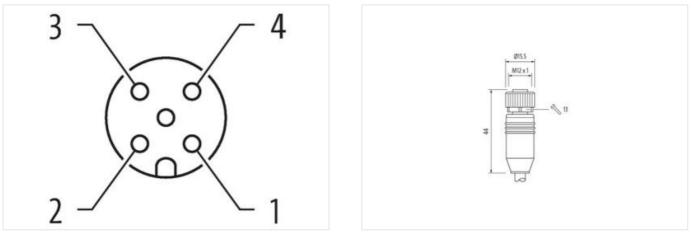
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## 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: 2024-05-19

10 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
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	4048879592543
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
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	
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)
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)     4       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       Shore hardness (wire souther wire)     0.5 kW @ 60 s       Current toad capacity (min. wire)     5 7 Line Ø capacity (min. wire)       Varient do capacity min. wire     6.6 A	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       Opera	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 DO C       Electric capacitatore     87 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     0.5 kV @ 60 s       Allin	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: 2024-05-19

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