

M12 female 90° A-cod. with cable shielded F&B

PVC 5x0.34 shielded gy 40m

Plug Connectors for Food & Beverage

Female 90°

M12, 5-pole

shielded

A-coded

Profile gasket

Plastic housings with good resistance against chemicals and oils.

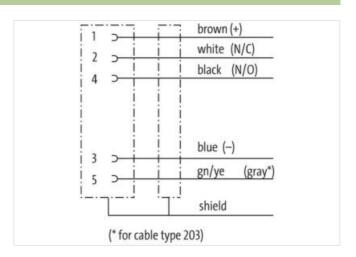
The resistance to aggressive media should be individually tested for your application. Further details on request.

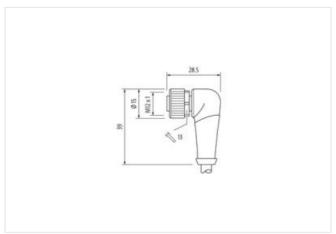
Further cable lengths on request.

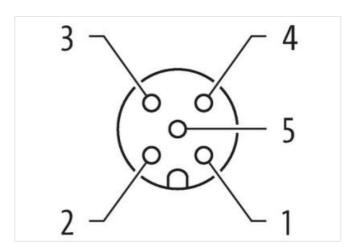
Link to Product

Illustration









Product may differ from Image









Cable length

40 m



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Side 1	
	0,6 Nm
Tightening torque Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	5
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68
Side 2	11 00, 11 00
	20 mm
Stripping length (jacket) Commercial data	20 111111
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0 ETIM-5.0	27060311
	EC001855
customs tariff number GTIN	85444290
	4048879372015
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
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
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	
Locking material	Stainless steel 1.4404 (V4A)
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.
Installation Cable	
wire arrangement	brown, black, blue, white, green-yellow

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: 2024-06-23



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Stranding factor mix. 75 mm Stranding factor max. 75 mm Cable shielding (type) opper braid, tinned Cable shielding (coverage) 85 % Banding Foll Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness gacket 75 Shore A Freedom from ingredients (gacket) 5.9 mm Tolerance outer diameter (sheath) 4.5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.4 mm Outer diameter fehrance ore insulation 1.4 mm Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 86 Shore A Ingredient freeness wire insulation 83 Shore A Ingredient freeness wire insulation 84 Shore A Ingredient freeness wire insulation 93 Shore A Ingredient freeness wire insulation 93 Shore A	Cable identification	348
Amount stranding 1 Stranding 1 Stranding 1 Stranding 1 Stranding factor mix. 75 mm Stranding factor max. 75 mm Stranding factor max. 75 mm Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil Filler yes wire arrangement brown, black, blue, while, green yellow Cable weight 72,05 pm Wire arrangement 72,05 pm Wire arrangement 75 Shore A Freedom from ingredients (jacket) 15,9 mm Tolerance outer diameter (facket) 5,9 mm Tolerance outer diameter (facket) 5,9 mm Tolerance outer diameter (facket) 5,9 mm Tolerance outer diameter insulation PVC Amount wires 5 Outer diameter insulation PVC Amount wire of single wires 0,1 mm Outer diameter of single wire insulation 85 Shore A Ingredient freeness wire insulation 164 Shore A Diameter of single wires 0,1 mm Material conductor wire 5 stranded copper wire, bare Conductor type (wire) 300 V Max. rated voltage (conductor - ground) 500 V Max. rated voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (tallic) 300 °C Ciperating temperature max. (dynamic) 5°C Ciperating temperature max. (dynamic) 7°C Ciperating temperature max. (dynamic) 7°C Ciperating temperature max. (dynamic) 600, application-related testing 10 IN N 60811-404	Jacket Color	gray
Stranding factor mix. 75 mm Stranding factor max. 75 mm Cable shielding (type) opper braid, tinned Cable shielding (coverage) 85 % Banding Foll Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness gacket 75 Shore A Freedom from ingredients (gacket) 5.9 mm Tolerance outer diameter (sheath) 4.5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.4 mm Outer diameter fehrance ore insulation 1.4 mm Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 86 Shore A Ingredient freeness wire insulation 83 Shore A Ingredient freeness wire insulation 84 Shore A Ingredient freeness wire insulation 93 Shore A Ingredient freeness wire insulation 93 Shore A	Amount stranding	
Stranding factor mix. 75 mm Stranding factor max. 75 mm Cable shielding (type) opper braid, tinned Cable shielding (coverage) 85 % Banding Foll Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness gacket 75 Shore A Freedom from ingredients (gacket) 5.9 mm Tolerance outer diameter (sheath) 4.5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.4 mm Outer diameter fehrance ore insulation 1.4 mm Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 86 Shore A Ingredient freeness wire insulation 83 Shore A Ingredient freeness wire insulation 84 Shore A Ingredient freeness wire insulation 93 Shore A Ingredient freeness wire insulation 93 Shore A	Stranding	5 wires around Core filler twisted
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil Filter yes wire arrangement brown, black, blue, white, green-yellow Cable weigh 72.05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingordients (jacket) 5.9 mm Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.4 mm Under diameter insulation 85 Shore A Ingredient freeness wire insulation 85 Mm Bacterial conductor (wire) 0.34 mm² Maximater of single wires 0,1 mm Conductor type (wire) 5 mm Max. rated voltage (conductor - conductor) 500 V Max. rated voltage	Stranding factor min.	75 mm
Cable shielding (coverage) 85 % Banding Foil Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter lorerance ozer insulation \$5 Shore A Ingredient freeness wire insulation 1,6 mm Conductor of single wires 0,1 mm	Stranding factor max.	75 mm
Cable shielding (coverage) 85 % Banding Foil Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter lorerance ozer insulation \$5 Shore A Ingredient freeness wire insulation 1,6 mm Conductor of single wires 0,1 mm	Cable shielding (type)	copper braid, tinned
Banding Foil Filler yes wise arrangement brown, black, blue, white, green-yellow Cable weigth 72.05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tofelance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter tolerance core insulation 1.4 mm Outer diameter tolerance core insulation 4.7 mm Outer diameter tolerance core insulation 85 Shore A Impedient reeness wire insulation 9.4 mm Material conductor wire 9.3 mm Material conductor wire 9.3 mm Material worker of single wires 0.1 mm Conductor reassection (wire) 9.3 mm² Max. rated voltage (conductor - conductor)	Cable shielding (coverage)	
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wire arrangement brown, black, blue, white, green-yellow Cable weight 72.05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PVC Amount wires 5 Outer diameter tolerance core insulation 1,4 mm Outer diameter tolerance core insulation 2.5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor respective (wire) 0,34 mm² Material conductor wire Strand class 6 Max. rated vollage (conductor - conductor) 50 V Max. rated vollage (conductor - conductor) 50 V Max. rated vollage (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 wint- wire 1,5 kV @ 60 s <td>Filler</td> <td>yes</td>	Filler	yes
Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter floberance core insulation ± 5 % Shore hardness wire insulation \$5 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 84 2 Amount strands (wire) 42 Diameter of single wires 0,1 mm Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 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 - conductor) 5	wire arrangement	
Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter floberance core insulation ± 5 % Shore hardness wire insulation \$5 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 84 2 Amount strands (wire) 42 Diameter of single wires 0,1 mm Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 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 - conductor) 5	Cable weigth	72,05 g/m
Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V 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 AC withstand voltage (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire -	-	-
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ground) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN Sk W @ 60 s AC withstand voltage (wire - wire) </td <td></td> <td>75 Shore A</td>		75 Shore A
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 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 4,8 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 - include) 1,5 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature (min. (dyn		
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor oressection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 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 - siled) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) 30 °C Max.		<u> </u>
Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor osssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 (wire wire) 7,0 km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating		·
Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsseection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ornductor) 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 - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C <td></td> <td></td>		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 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 - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. 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	Amount wires	5
Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 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 - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s 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 § 1901 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Max. rated voltage (conductor - ground) May rated voltage (wise - ground) May rated voltage (wise - wire) May rated voltage (wise - wire) May rated voltage (wise - wire) May requested (wise - shield) May rated voltage (wise - shield) May requested (wise - shield) May	Outer diameter tolerance core insulation	±5%
Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Ourrent load capacity (standard) Current load capacity (standard) Current load capacity min. wire A,8 A Electrical resistance line constant wire AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) AC withstand voltage (wire - shield) AS AC Withstand voltage (wire - shield) AS AC With	Shore hardness wire insulation	85 Shore A
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 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 - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (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 Gil resistance Good, application-related testing DIN EN 60811-404	Ingredient freeness wire insulation	lead-free, CFC-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 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 - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °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 Oil resistance Good, application-related testing DIN EN 60811-404	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 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 - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. 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 Oil resistance Good, application-related testing DIN EN 60811-404	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Max. rated voltage (conductor - ground) Sou V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire Sou V Max. obtage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) AC withstand voltage (mire - shield) Min. operating temperature (fixed) Max. operating temperature (fixed) Operating temperature min. (dynamic) To °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 Good, application-related testing DIN EN 60811-404	Conductor crosssection (wire)	0,34 mm²
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 4,8 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 Min. operating temperature (static) -30 °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 Oil resistance Good, application-related testing DIN EN 60811-404	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 4,8 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 Min. operating temperature (static) -30 °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 DIN EN 60811-404	Conductor type (wire)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 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 Min. operating temperature (static) -30 °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 DIN EN 60811-404	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire4,8 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 sMin. operating temperature (static)-30 °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 testingOil resistanceGood, application-related testing DIN EN 60811-404	Max. rated voltage (conductor - ground)	300 V
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 Min. operating temperature (static) -30 °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 Oil resistance Good, application-related testing DIN EN 60811-404	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 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 Oil resistance Good, application-related testing DIN EN 60811-404	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) 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 Oil resistance Good, application-related testing DIN EN 60811-404	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °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 Good, application-related testing DIN EN 60811-404	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °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 Good, application-related testing DIN EN 60811-404	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Max. operating temperature (fixed) 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 Oil resistance Good, application-related testing DIN EN 60811-404	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) 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 Oil resistance Good, application-related testing DIN EN 60811-404	Min. operating temperature (static)	-30 °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 Oil resistance Good, application-related testing DIN EN 60811-404	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 Good, application-related testing DIN EN 60811-404	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (dynamic)	15 x Outer diameter