

M12 male 90° A-cod. with cable shielded

PVC 5x0.34 shielded gy 3m

Male 90° M12, 5-pole shielded A-coded

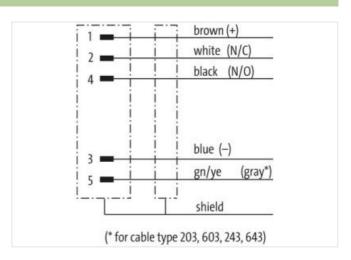
Plastic housings with good resistance against chemicals and oils.

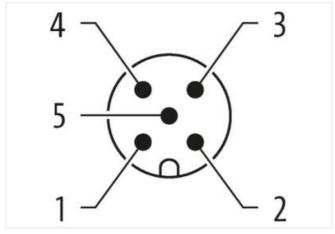
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

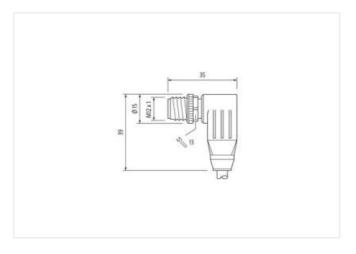
Link to Product

Illustration









Product may differ from Image











Cable length

3 m

Side 1

Tightening torque

0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Coating contact	gold plated
Commercial data	
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	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879200547
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	DIR ER 010/0-2-101 (WI12)
Installation Cable	
Cable identification	348
Jacket Color	gray



stay connected

Stranding 5 wires around Core filler twisted	Amount stranding	1
Siranding factor max. 75 mm Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil Filler 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 ingredients (jacket) 15 g/m Colled diameter (jacket) 5 ymm Tolerance outer diameter (sheath) £ 5 % Material wire insulation PVC Amount wire insulation PVC All diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 85 Shore A Ingredient teeness wire insulation 85 Shore A Ingredient teeness wire insulation 80 Shore A Ingredient teeness wire insulation 80 Shore A Ingredient teeness wire insulation 80 Jmm Conductor type (wire) 1,1 mm Conductor type (wire) 1,1 mm Conductor type (wire) <t< td=""><td>Stranding</td><td>5 wires around Core filler twisted</td></t<>	Stranding	5 wires around Core filler twisted
Cable shledling (type) copper braid, linned Cable shledling (coverage) 85 % Banding Foll Filter yes wire arrangement brown, black, blue, white, green-yellow Cable weigh 72.05 g/m Material jacket PVC Shore hardness jacket PVC Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (saket) 5.9 mm Outer diameter (jacket) 4.2 mm Outer diameter (jacket) 4.2 mm Diameter (jacket) 6.3 mm Outer diameter (jacket) 6.3 mm	Stranding factor min.	75 mm
Cable shielding (coverage) 85 % Banding Foil Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight 72.65 g/m Material Jacket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cedimium-free, CFC-free Outer-diameter (jacket) 5 9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter (sheath) ± 5 % Material wire insulation 1,4 mm Outer diameter (sheath) ± 5 % Store hardness wire insulation 1,4 mm Outer diameter (sheath) ± 5 % Store hardness wire insulation 85 Shore A Ingredient freeness wire insulation 1,5 mm²	Stranding factor max.	75 mm
Banding Foil Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 72.05 g/m Material jacket PVC Shore hardness jackel 75 Shore A Freadom 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 lourance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore A ingredient freeness wire insulation ± 5 % Shore A ingredient freeness wire insulation ± 5 % Amount strands (wire) 42 Diameter of single wire 0.1 mm Material conductor wire Stranded copper wire, bare Conductor rossassection (wire) 0.3 4 mm² Material conductor wire 5 70 km @ 50 °C Current load capacity train, wire 4.8 A Electrical resistance line constant wire 57 0 km @	Cable shielding (type)	copper braid, tinned
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) 1.5 Shore A Treadom from ingredients (jacket) 5.9 mm Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 1.5 % Material wire insulation PVC Annount wires 5 Outer diameter insulation 1.4 mm Outer diameter insulation 4.5 % Shore hardness wire insulation 4.5 Shore A Undered in singulation 4.5 % Shore hardness wire insulation 4.5 Shore A Ingredient freeness wire insulation 4.5 Shore A Ingredient freeness wire insulation 4.2 Mm² Conductor yellow wire 5 Stranded copper wire, bare Conductor yellow wire Stranded copper wire, bare Conductor yellow (wire) Stranded copper wire, bare Current load capacity min. wire 4.8 A Electrical resistance (ince constant wire	Cable shielding (coverage)	85 %
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, GFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 5,9 mm Tolerance outer diameter (sheath) 2.5 % Material wire insulation PVC Amount wires 5 Outer diameter tolerance core insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation 85 Shore A Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 16 Mm. Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor tressection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Courrent load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (min. wire) 48 A Electrical resistance line constant wire 57 Ω/km @ 20 °C	Banding	Foil
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 Under diameter tolerance core insulation 25 % 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 or sessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Current load capacity (standard) 10 INI VDE 0298-4 Current load capacity (standard) 5 DNF or	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 (lolarance core insulation ± 5 % Outer diameter (lolarance 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 or orsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance (inc constant wire) 57 Ckm @ 20 °C Max. rated voltage power (conductor or conductor) 500 V AC withstand voltage power (wire - shel	wire arrangement	brown, black, blue, white, green-yellow
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 tolorance 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 vive Stranded copper wire, bare Conductor yie (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s	Cable weigth	72,05 g/m
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 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 Current load capacity (standard) to DIN VDE 298-4 Current load capacity (standard) to DIN VDE 298-4 Current load capacity (standard) to DIN VDE 298-4 Gurrent load capacity (standard) to DIN VDE 298-4 Gurrent load capacity (wire) 5,8 Mm @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power freque	Material jacket	PVC
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 folerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free 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 Courrent load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) 30 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (slatic) -30 °C Max. rate	Shore hardness jacket	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 folerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free 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 Courrent load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) 30 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (slatic) -30 °C Max. rate	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
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 crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 Current load capacity (standard) to DIN VDE 029-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature (skatic) 30 °C Max. operating temperature (skatic) 30 °C Max. operating temperature (mixed) 30 °C <td< td=""><td></td><td>5,9 mm</td></td<>		5,9 mm
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 orsssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare 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 Ozkm @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - stranded copper wire, bare Conductor wire 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dy		±5%
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 88 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare 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 O/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) </td <td>Material wire insulation</td> <td>PVC</td>	Material wire insulation	PVC
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 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (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 § 109 IEC 60332-2-2 chemical resistanc	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 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -6 °C Operating temperature max. (dynamic) -6 °C Plame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical re	Outer diameter insulation	1,4 mm
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 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) -6 °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	Outer diameter tolerance core insulation	±5%
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 0/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC writhstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °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 IDIN EN 60811-404	Shore hardness wire insulation	85 Shore A
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 0/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC writhstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °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 IDIN 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 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 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 Oil resistance Good, application-related testing DIN EN 60811-404		
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 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 Oil resistance Good, application-related testing DIN EN 60811-404	Diameter of single wires	0,1 mm
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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 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		0,34 mm²
Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) Max. rated voltage power (conductor - shield) AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 430 °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 Oil resistance Good, application-related testing DIN EN 60811-404	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 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
Electrical resistance line constant wire 57 \(\Omega \)/km \(\omega \) 20 °C Max. rated voltage power (conductor - ground) 300 V Ac withstand voltage power (wire - shield) 1,5 kV \(\omega \) 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV \(\omega \) 60 s AC withstand voltage power (wire - wire) 1,5 kV \(\omega \) 60 s Ac withstand voltage power (wire - wire) 1,5 kV \(\omega \) 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 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404	Current load capacity (standard)	to DIN VDE 0298-4
Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 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 min. wire	4,8 A
Max. rated voltage power (conductor - conductor) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) Aux. operating temperature (fixed) Operating temperature (fixed) 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 Oil resistance Good, application-related testing DIN EN 60811-404	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire - wire) I,5 kV @ 60 s AC withstand voltage power (wire - wire) I,5 kV @ 60 s Min. operating temperature (static) AC withstand voltage power (wire - wire) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 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. rated voltage power (conductor - ground)	300 V
Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (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 DIN EN 60811-404	0 ,	500 V
(wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire - wire) 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 DIN EN 60811-404	AC withstand voltage power (wire - shield)	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		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 § 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 power (wire - wire)	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)	0° ℃
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	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	
Oil resistance Good, application-related testing DIN EN 60811-404	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Oil resistance	
	Bending radius (dynamic)	15 x Outer diameter