

MSUD double valve BI-11mm with cable

PUR 4x0.75 bk UL/CSA 5m

Form BI (11 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 100 mm Further cable lengths on request.

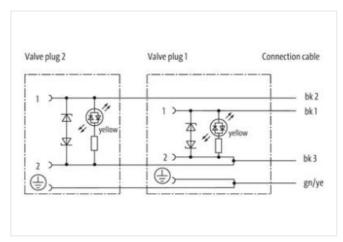
Plastic housings with good resistance against chemicals and oils.

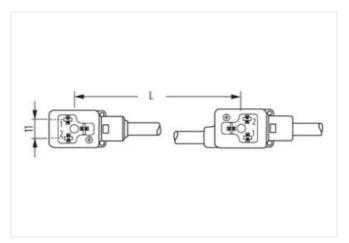
The resistance to aggressive media should be individually tested for your application. Further details on request.

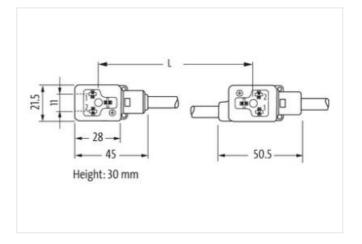
Link to Product

Illustration









Product may differ from Image



Cable length 5 m

Side 1

0,4 Nm Tightening torque

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



МЗ Thread Side 2 Tightening torque 0,4 Nm Thread МЗ Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879415682 Packaging unit **Electrical data** Drop-out delay time max. 20 ms Electrical data | Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V Operating voltage AC max. 28.8 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection | Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Rated surge voltage 0,8 kV Mechanical data | Material data Color housing black Material housing Plastic Mechanical data | Mounting data Mounting method inserted, screwed Environmental characteristics | Climatic -25 °C Operating temperature min. 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Installation | Cable black 1, black 2, black 3, green-yellow wire arrangement

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Printing solor of wire insulation white (isolation black) Jacket Color	Cable identification	627
Jacket Color Type of Certificatio URus URus URus URus URus URus URus URus	Cable Type	2
Type of Certificatio	Printing color of wire insulation	white (isolation black)
Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 74,8 g/m Material jacket PUR Shove hardness jacket PUR Shove hardness jacket PUR Shove hardness jacket Se 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 5.5 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Outer diameter (jacket) 1 black Material inner jacket PVC Outer diameter (jacket) 1 black Material inner jacket PVC Outer diameter insulation PVC Amount wires 4 Outer diameter insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter insulation 25 % Shore hardness wire insulation 34 5 % Shore D Ingredient freeness wire insulation 43 5 % Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Ounductor crosssection (wire) 0,75 mm² Ounductor vire datageacy (standard) 10 DIN VDE 0288-4 Outer (landa capacity min wire) 12 A Current load capacity min wire 10 DIN VDE 0288-4 Outer (landard) voltage (wire - wire) 2 kV @ 60 s Operating temperature min. (kynamic) 5-5 °C Operating temperature max. (kynamic) 5-5 °C Operating temperature max. (kynamic) 1-5 °C Operating formerature max. (kynamic) 1-5 °C Operating formerature max. (kynamic) 1-5 °C Operating formerature max. (kynamic) 1-5 °C Operating temperature max. (kynamic) 1-5 °C Operating formerature max. (ky	Jacket Color	black
Stranding	Type of Certificate	cURus
wire arrangement black 1, black 2, black 3, green yellow Cable weight 74,8 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Cuber diameter (jacket) 6.5 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) black Material wire insulation PVC Amount wires 4 Quier diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (vire) 42 Diameter of single wires 0.15 mm Conductor by reliable wire 0.75 mm² Material conductor wire 0.75 mm² Conductor by reliable wire 0.15 mm Conductor by reliable wire 0.15 mm² Conductor by reliable wire 0.07 mm² <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight 74,8 g/m Material jackert PUR Shore hardness jackot 83 ± 5 Shore A Freedem from ingredients (jacket) lead-fine, cadmium-free, CFC-free, silicone-free Outer-diemeter (jacket) 6,5 mm Toriorance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) black Material virie insulation PVC Amount wives 4 Outer diameter insulation 1,8 mm Outer diameter olorance core insulation ± 5 % Shore barriness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Printing color of wire insulation ± 5 % Printing color of wire insulation white (isolation black) Amount strands (wire) ± 2 Diameter of single wire 0,15 mm Conductor pressection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor by evire) stranded copper wire, bare Conductor by evire) stranded copper wire, bare Conductor by evire)	Stranding	4 wires twisted
Material Jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from Ingredients (jacket) 6.5 mm Tolerance outer diameter (jacket) 6.5 mm Material Iner (jacket) black Material Iner (jacket) black Material wire insulation PVC Color (inner jacket) black Material wire insulation PVC Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount stranck (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (vire) 375 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 12 A	wire arrangement	black 1, black 2, black 3, green-yellow
Shore hardness jacket S5 ± 5 Shore A	Cable weigth	74,8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Toferance outer diameter (sheath) ± 5 % Material inner jacket PVC Odior (inner jacket) black Material wine insulation PVC Armount wires 4 Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 % Shore hardness wire insulation 1,8 mm Outer diameter tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 1,8 mm Outer diameter insulation 43 ± 5 % Shore D Ingredient freeness wire insulation 1,9 mm Outer diameter tolerance occurs insulation 1,9 mm Outer diameter of insulation 1,9 mm Outer diameter of single wires 0,15 mm Outer diameter of single wires 0,15 mm Outdoor or owire insulation 1,0 mm Outer diameter of single wires 0,15 mm Outdoor or owise of the minute of the own own of the own of the own of the own of the own	Material jacket	PUR
Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) black Material wire insulation PVC Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor (type (wire)) strand class 6 Nominal voltage 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) 2 k V @ 60 s AC withstand voltage (wire - wire) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Doperating temperature (fixed) 80 °C <tr< td=""><td>Shore hardness jacket</td><td>85 ± 5 Shore A</td></tr<>	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material inner jacket PVC Color (inner jacket) black Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 3 £ 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static)	Outer-diameter (jacket)	6,5 mm
Color (inner jacket) black Material wire insulation PVC Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore bardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (Wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 D/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (mixed) 80 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter folorance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - giacket) 2 kV @ 60 s Min. operating temperature (tstatic) -30 °C Max. operating temperature min. (dynamic) 5° °C Operating temperature min. (dynamic) 5° °C	Material inner jacket	PVC
Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor of single wires 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage 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) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - yiacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) 5° C Operating temperature min. (dynamic) 5° C Ut resistance DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 IEC 6	Color (inner jacket)	black
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature (inced) 80 °C Operating temperature (mixed) 80 °C UV resistance DIN EN ISO 4892-2 A <td>Material wire insulation</td> <td>PVC</td>	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor vires Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage 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 (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - alacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (min. (dynamic) -5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581	Amount wires	4
Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN DE 0298-4 Current load capacity (standard) to DIN DE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 80 °C Operating temperature (static) 50 °C Max. operating temperature (static) 80 °C Operating temperature max. (dynamic) 5 °C Operating temperature max. (dynamic) 5 °C Operating temperature max. (dynamic) 60 °C, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gending radius (fixed) 10 × Outer diameter Bending radius (fynamic) 15 × Outer diameter Bending radius (fynamic) 5 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation Printing color of wire insulation White (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage 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 min. wire 12 A Electrical resistance line constant wire 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Max. operating temperature (static) Min. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 5 °C Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Elame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Outer diameter tolerance core insulation	± 5 %
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Max. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing IN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 2 kM @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Shore hardness wire insulation	43 ± 5 Shore D
Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 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) -5 °C UV resistance DIN EN ISO 4892-2 A Filme resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 12 A Electrical resistance line constant wire 12 A AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 30 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gli resistance Good, application-related testing Oil resistance Bending radius (fixed) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Printing color of wire insulation	white (isolation black)
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage 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 min. wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 30 °C Min. operating temperature (static) 30 °C Operating temperature (static) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage 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 min. wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 30 °C Min. operating temperature (static) 30 °C Operating temperature (static) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Diameter of single wires	0,15 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - ack wire) 2 kV @ 60 s Power frequency withstand voltage (wire - ack wire) 30 °C Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Trav	Conductor crosssection (wire)	0,75 mm ²
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - ack wire) 2 kV @ 60 s Power frequency withstand voltage (wire - ack wire) 30 °C Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Trav	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 30 °C Min. operating temperature (static) 30 °C Operating temperature min. (dynamic) 480 °C Operating temperature max. (dynamic) 50 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Flaming radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Conductor type (wire)	
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 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) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 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) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) As °C Max. operating temperature (fixed) More of temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Bo °C Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Jacket) Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature min. (dynamic)	-5 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature max. (dynamic)	80 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (fixed)	10 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (dynamic)	15 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	
	Travel speed (C-track)	3,3 m/s @ 25 °C