

MSUD Basic valve plug A-18mm cable top exit

PUR 3x0.75 bk UL/CSA 10m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED

Z-Diode

Further cable lengths on request.

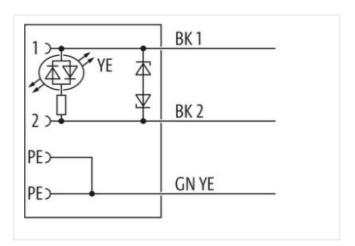
Plastic housings with good resistance against chemicals and oils.

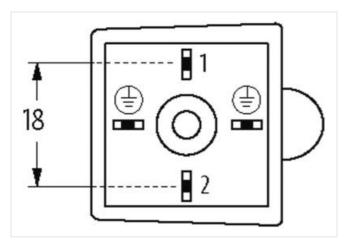
The resistance to aggressive media should be individually tested for your application. Further details on request.

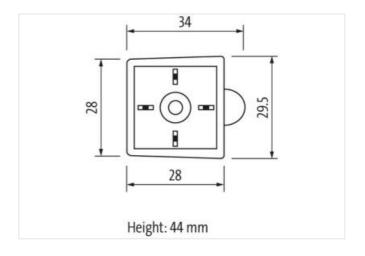
Link to Product

Illustration









Product may differ from Image









Cable length

10 m

Side 1

Tightening torque

0,4 Nm

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



Mounting method inserted, screwed Family construction form MSUD A Thread МЗ Material PUR Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 85444290 customs tariff number GTIN 4048879778787 Packaging unit 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 Current operating per contact max. 4 A **Diagnostics** Status indication LED yellow Installation | Connection Mounting set М3 Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) Additional suppressor Z-Diode Mechanical data | Material data Coating locking verzinkt Coating of fitting verzinkt Locking material Steel Steel Material screw connection Mechanical data | Mounting data Mounting method inserted, screwed 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. 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

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

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



stay connected

Cable isontification 626 Cable Type 2 Cable Type 2 Cable Type 3 Cable Type 3 Cable Type 3 Cable Type 4 Cable Type 4 Cable Type 5 Cable Type 6 Cardiscate white (isolation black) Dakek Color black Type of Cardiscate current Cable weigh 3 Cable weigh 5 Cable weigh 55,33 g/m Material jacket PUR Shranding 3 wires twisted Weigh 65,33 g/m Material jacket PUR Shrore hardness jacket 85,5 Shrore A Freedom from ingredients (jacket) Leaf-tree, cardinum-free, CFC-free, silicone-free Cable weigh 5,5 mm Tolerance outer diameter (sheath) ± 5,5 % Material inner jacket PVC Material inner jacket PVC Material inner jacket PVC Anount wires 3 Couler diameter (sheath) ± 5,5 % Material inner jacket PVC Material wire insulation PVC Anount wires 3 Couler diameter insulation 1,8 mm Outer diameter (inferance core insulation 4,5 5 % Shore hardness wire insulation 4,5 5 % Shore hardness wire insulation 4,5 5 % Shore hardness wire insulation 4,5 5 % Couler diameter (inferance core insulation	wire arrangement	black 1, black 2, green-yellow
Cable Type 2 Printing color of wire insulation while (isolation black) Jacket Color black Type of Certificate cURus Type of Certificate cURus Mnount stranding 1 Stranding 3 viros twisted wird arrangement black 1, black 2, green-yellow Cable weight 55.33 g/m Material jacket PUR Freedom from ingrediants (jacket) 85 ± 5 Shore A Shore hardness jacket 85 ± 5 Shore A Freedom from ingrediants (jacket) 15 9 mm Outer diameter (jacket) 5,9 mm Tolerance outer diameter (sevalth) ± 5 % Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 4,3 ± 5 Shore D Ingredient freeness wire insulation 4,3 ± 5 Shore D Ingredient freeness wire insulation 4,5 ± 5 Shore D Printing color of wire insulation 4,5 ± 5 Shore D Ing	Cable identification	
Jacket Color	Cable Type	2
Type of Certificate CURsus Amount stranding 1 Stranding 3 wrea twisted wire arrangement black 1, black 2, green-yellow Gable weight 55,33 g/m Malatrial jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (gacket) lead-five, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Malaterial inner jacket PVC Malaterial inner jacket PVC Amount wies 3 Outer diameter insulation ± 5 % Amount wies 3 Outer diameter insulation ± 5 % Ingredient freeness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Amount strands (wire) ± 2 Diameter of single wire 0,15 mm Conductor pressection (wire) 0,75 mm² Maletrial conductor wire Stranded cooper wire, bare Conductor type (wire)	Printing color of wire insulation	white (isolation black)
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 55.33 g/m Material jackert PUR Shore hardness jacket PUR Shore hardness jacket 95 £ 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outland diameter (jacket) 5,9 mm Coluter diameter (jacket) 1.5 % Material inner jacket PVC Material inner jacket PVC Material inner jacket PVC Material wire insulation PVC Material wire insulation 1,8 mm Outlar diameter tenerace core insulation 1,8 mm Outlar diameter tenerace core insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires Oonductor type (wire) 0,75 mm² Material conductor vire Stranded copper wire, barre Conductor type (wire) stranded copper wire, barre Stranded capperly inin wire Electrical resistance line constant wire Conductor type (wire) 12 A Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 12 A Current load capacity (standard) 12 A Current load capacity (standard) 12 A Current load capacity (standard) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 20 CP Operating temperature max. (o/namic) 6 5 °C Operating temperature max. (o/namic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Frevering distince (C-track) 5 m @ 25 °C horizontal	Jacket Color	black
Stranding 3 wires twisted	Type of Certificate	cURus
wire arrangement black 1, black 2, green-yellow Cable weight 55.33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freadom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Material inner jacket PVC Material inner jacket PVC Material wire insulation PVC Material wire 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 (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor or sessection (wire) 0,75 mm² Material ounductor wire 5 GN mm² Conductor type (wire) strand dosper wire, bare Conductor type (wire) strand dosper wire, bare Conductor type (wire) strand dosper wire, bare Contract load capacity (strandard) 10 D VE C98-4 <	Amount stranding	1
Cable weigth 55.33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter tolerance core 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 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossesction (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 min. wire 12 A	Stranding	3 wires twisted
Cable weigth 55.33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter tolerance core 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 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossesction (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 min. wire 12 A	wire arrangement	black 1, black 2, green-yellow
Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) [9a direc, cadmium-free, CFC-free, silicone-free] Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wris insulation PVC Amount wrises 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Shore hardness wire insulation 43 ± 5 Shore D Shore hardness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of vive insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire)	Cable weigth	- -
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Manount wires 3 Outer diameter blerance core insulation 1,8 mm Outer diameter blerance core insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Armount strands (wire) 42 Diameter of slighte wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor vire 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 k V @ 60 s Min. operating temperat	Material jacket	·
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free		85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Tolerance outer diameter (sheath)	Outer-diameter (jacket)	5,9 mm
Material inner jacket PVC Material wire insulation PVC Amount wires 3 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 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 - igacket) 2 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature mi	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PVC Amount wires 3 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, cadminum-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 (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 - siacket) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature mix. (dynamic) 5 °C Operating temperature mix. (dynamic) 50°C	Material inner jacket	
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation bad-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) stranded copper wire, bare Onductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN VDE 0298-4 Electrical resistance wire - wire) 2 kV @ 60 s Powe	Material wire insulation	PVC
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation bad-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) stranded copper wire, bare Onductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN VDE 0298-4 Electrical resistance wire - wire) 2 kV @ 60 s Powe	Amount wires	3
Shore hardness wire insulation A3 ± 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) Current load capacity (standard) To DIN VDE 0298-4 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) Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 480 °C chemical resistance Good, application-related testing Gasoline resistance DIN EN 68811-404 Bending radius (fixed) 15 x Outer diameter Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Outer diameter insulation	1,8 mm
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 (in wire) 12 A Electrical resistance line constant wire 26 N/m @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 30 °C Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) 6 asoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Bending radius (fixed) Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 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 rosssection (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 - iacket) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Oli resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 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 - acket) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires O,15 mm Conductor crosssection (wire) O,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 - jacket) jacket) Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 12 A Electrical resistance line constant wire AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - a) 2 kV @ 60 s Min. operating temperature (static) AD erating temperature (fixed) 80 °C Operating temperature min. (dynamic) Chemical resistance Good, application-related testing Gli resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 15 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 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 - 2 kV @ 60 s Power frequency withstand voltage (wire - 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	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 - 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 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	Conductor crosssection (wire)	0,75 mm²
Nominal voltage AC max. Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 12 A Electrical resistance line constant wire 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 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	Material conductor wire	Stranded copper wire, bare
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 - 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 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Conductor type (wire)	strand class 6
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 - 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 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (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 - 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 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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 - 2 kV @ 60 s Min. operating temperature (static) AC withstand voltage (wire - 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 60 °C Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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 min. wire	12 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Office (static) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Ood, application-related testing Gasoline resistance Ood, application-related testing Oil resistance 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
Min. operating temperature (static) Max. operating temperature (fixed) Max. operating temperature (fixed) Max. operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) So °C Operating temperature max. (dynamic) So °C Chemical resistance Good, application-related testing Gasoline resistance Oil resistance 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	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature dynamics Operati	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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
Gasoline resistance Good, application-related testing Oil resistance 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
Oil resistance 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	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
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C horizontal
	Travel speed (C-track)	3,3 m/s @ 25 °C