

M12 male 90° A-cod. / MSUD valve plug B-10mm

PUR 3x0.75 gy UL/CSA 3m

Form B (10 mm) - M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression

Further cable lengths on request.

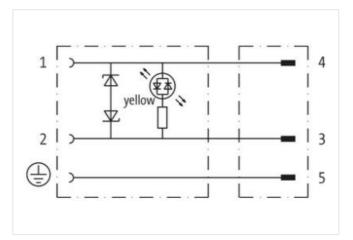
Plastic housings with good resistance against chemicals and oils.

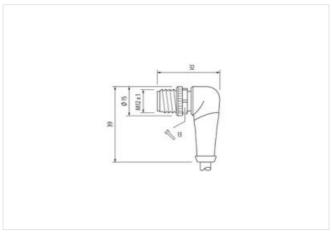
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration







Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,4 Nm



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Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0.6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879147293
Packaging unit	1
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	,
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	
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.



stay connected

Jacket Color Type of Certificate	wire arrangement	black 1, black 2, green-yellow
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wirse twisted Wire arrangement black 1, black 2, green-yellow Cable weight 55.33 g/m Material jacket PUR Shore hardness jacket 85 ± 8 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tofleance utget diameter (jacket) 5 % Material inner jacket PVC 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 43 ± 5 Shore D Shore hardness wire insulation 43 ± 5 Shore D Ingredient feeness wire insulation 43 ± 5 Shore D Application freeness wire insulation 43 ± 5 Shore D Application freeness wire insulation 43 ± 5 Shore D Ingredient feeness wire insulation 43 ± 5 Shore D Ondriven freeness wire insula	Cable identification	226
Type of Certificate	Cable Type	2
Type of Certificate CURsus	Jacket Color	gray
Strandling 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 55,33 g/m Material jacket PUR Shore hardness gicket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter folerance core insulation 1,8 mm Outer diameter folerance core insulation 1,8 mm Outer diameter sinsulation 1,8 mm Outer diameter sinsulation 1,8 mm 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 1,5 mm Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 9.75 mm² Material conductor wire Stranded copper wire, bare	Type of Certificate	
wire arrangement black 1, black 2, green-yellow Cable weight 55,33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 4,8 mm Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,75 mm² Material conductor vive Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
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Material jacket PUR Shore hardness jacket St ± Shore A Shore A St ±	wire arrangement	black 1, black 2, green-yellow
Material jacket PUR St ± 5 Shore A St ± 5 Shore	Cable weigth	55,33 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Amount wires 3 Outer diameter blearance core insulation 1,8 mm Outer diameter blearance core insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 1,8 mm 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 wire, wire 26 Okm @ 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) (sacket) 30 °C <	Material jacket	
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Annount wires 3 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.8 mm Outer diameter (slorance core insulation) ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - lacket) 2 kV @ 60 s Power frequency withstand voltage (wire - lacket) 0 ° °C Max. operating temperature (static) <td>Shore hardness jacket</td> <td>85 ± 5 Shore A</td>	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter Insulation 1,8 mm Outer diameter Insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Conductor type (wire) Stranded copper wire, bare Material conductor wire Stranded scape 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 (standard) 26 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating t	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter Insulation 1,8 mm Outer diameter Insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Conductor type (wire) Stranded copper wire, bare Material conductor wire Stranded scape 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 (standard) 26 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating t		
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 Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor cosssection (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 finit, wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AG withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - include) 2 kV @ 60 s Min. operating temperature (static) 30 °C Min. operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) 5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 c	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, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor cosssection (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 finit, wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AG withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - include) 2 kV @ 60 s Min. operating temperature (static) 30 °C Min. operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) 5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 c		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 lead-free, cadmium-free, CFC-free, silicone-free 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 - in) 2 kV @ 60 s Jacket) 30 °C Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 60 °C Islame	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 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 - 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 min. (dynamic) 80 °C UV resistance IEC 60332-2-2 [UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance	Amount wires	3
Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 - alacket) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance IEC 60332-22 [UL 1581 § 1090] UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixe	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 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 of a comparature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 5 °C UV resistance DIN EN G832-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Outer diameter tolerance core insulation	± 5 %
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 \(\Omega \text{km} \) \(\omega 0 \text{ °C}\) AC withstand voltage (wire - wire) 2 kV \(\omega 60 \text{ s}\) Min. operating temperature (static) -30 °C Operating temperature (fixed) 80 °C Operating temperature max. (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 DIN EN 6811-404 Good, application-related testing Bending radius (fixed) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending radius (dynamic) 2 Min. Quero diameter	Shore hardness wire insulation	43 ± 5 Shore D
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 - 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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, silicone-free</td>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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 - ack) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (ised) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 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	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 - jacket) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 15 × Outer diameter Bending radius (dynamic) 15 × Outer diameter Bending radius (dynamic) 2 Mio. @ 25 °C	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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	Conductor crosssection (wire)	0,75 mm ²
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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	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 \(\Omega \text{Ikm} \end{aligned} \) 2 eV \(\omega \text{60 s} \) Power frequency withstand voltage (wire - vire) 2 kV \(\omega \text{60 s} \) Power frequency withstand voltage (wire - vire) 2 kV \(\omega \text{60 s} \) 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 IEC 60332-2-2 UL 1581 \(\) 1090 UL 1581 \(\) 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 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. \(\omega \text{25 °C} \)	Conductor type (wire)	strand class 6
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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 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	Current load capacity (standard)	to DIN VDE 0298-4
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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 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	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) As °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) OPERATING THE STATE OF THE STATE O	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Min. operating temperature (static) Mix. operating temperature (fixed) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) OPERATURE	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) Operating temperature max. (dynamic) Oil N EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 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	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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 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	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 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	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	Operating temperature min. (dynamic)	-5 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	Operating temperature max. (dynamic)	80 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 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	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	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 2 Mio. @ 25 °C	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track) 3,3 m/s	No. of bending cycles (C-track)	2 Mio. @ 25 °C
	Travel speed (C-track)	3,3 m/s