

M12 female 90° A-cod. with cable

PUR 3x0.75 bk UL/CSA+drag ch. 25m

Female 90° M12, 3-pole 2× LED (PNP)

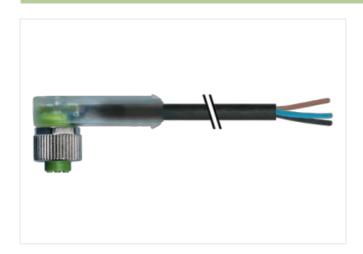
Invers-polarity protection

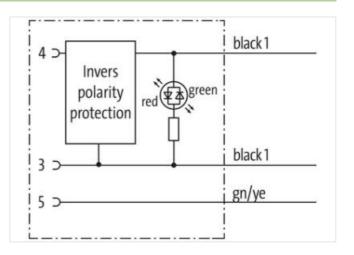
Plastic housings with good resistance against chemicals and oils.

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

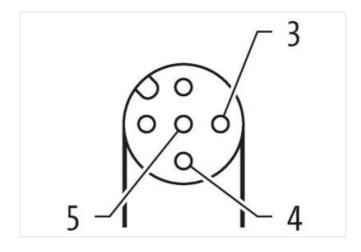
Link to Product

Illustration









Product may differ from Image











Cable length

25 m

Side 1

Tightening torque

0,6 Nm



stay connected

Mounting method	inserted, screwed
-	· · · · · · · · · · · · · · · · · · ·
Family construction form Thread	M12 M12 x 1
	10 mm
suitable for corrugated tube (internal Ø)	A
Coding Material	PUR
Width across flats	SW13
	IP65, IP66K, IP67
Degree of protection (EN IEC 60529)	1765, 1766K, 1767
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879568241
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	20,4 V
Operating voltage DC max.	27,6 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, red
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data Material data	
·	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Cable identification	636
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus

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: 2024-04-25



stay connected

	Amount stranding	1
No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weight 55,1 g/m Mareiral jacket PUR Shore hardness jacket Freedom from ingredients (jacket) 10 saf-ree, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 1,5 % Material wire insulation PPP Amount wires 3 Duter diameter insulation 70 ± 5 Shore D Right freeness wire insulation 70 ± 5 Shore D Right freeness wire insulation Right freeness wire insulation Amount strands (wire) 42 Diameter of single wires Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Stranded capacity (slandard) Current load capacity (slandard) Current load capacity (slandard) Current load capacity min. wire 2,5 kV ⊕ 60 s 40 °C year-free, wire load to year-free, wire load year-free, silicone-free per load	Stranding	3 wires twisted
Cable weight 56,1 g/m Material jacket PUR All principal jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5.9 mm Differance outer diameter (health) ± 5 % Material wire insulation PP Amount wires 3 Duter diameter insulation 1.85 mm Outer diameter insulation 1.55 mm Shore hardness wire insulation 70 ± 5 Shore D Shore hardness wire insulation 70 ± 5 Shore D Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor by evire of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor by evire wire insulation 0.75 mm² Malerial conductor wire Conductor wire Stranded copper wire, bare Conductor by evire wire wire insulation 10 m @ 25 °C horizontal Current load capacity fina. wire <	wire arrangement	black 1, black 2, green-yellow
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5.9 mm Tolerance outer diameter (health) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 70 ± 5 Shore D Shore hardness wire insulation 1.85 mm Outer diameter insulation 1.85 mm Shore hardness wire insulation 70 ± 5 Shore D Impretient feeness wire insulation Head-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 42 Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,75 mm² Waterial conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C (I portizontal Current load capacity min. wire 12 A Electricial resistance line constant wire 26 QKm @ 20 °C <td>No. of bending cycles (C-track)</td> <td>10 Mio. @ 25 °C</td>	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Under diameter (jacket) 5,9 mm Tolarance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm User diameter (sheath) ± 5 % Shore hardness wire insulation 1,85 mm Outer diameter (sherance oror insulation) ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 40 ± 5 % Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orossection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m@ 25 °C horizontal 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 </td <td>Cable weigth</td> <td>56,1 g/m</td>	Cable weigth	56,1 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Duter diameter (jacket) 5,9 mm Folerance outer diameter (sheath) ± 5 % Makerial wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing older of wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor cross-section (wire) 0,75 mm² Material conductor wire Stranded coper wire, bare Conductor bye (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) 10 IN VDE 0298-4 Current load capacity (standard) 20 IN @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s McC. withstand voltage power (wire - wire) 2,5 kV @ 60 s Mrc. operating temperature (static) -0 °C <tr< td=""><td>Shore hardness jacket</td><td>90 ± 5 Shore A</td></tr<>	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Cuber diameter insulation 1,85 mm Outer diameter tolerance core insulation 25 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-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 cape oper wire, bare Conductor type (wire) stranded capes (-10 mix and class 6 Current load capacity (standard) to INIV VDE 0298-4 Current load capacity (standard) to INIV VDE 0298-4 Current load capacity wint, wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2.5 kV @ 60 s Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Depera	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Duter diameter insulation 1,85 mm Duter diameter tolerance coe insulation ± 5 % Shore hardness wire insulation 20 ± 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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (init. wire 12 A Electrical resistance line constant wire 2.5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C /90 °C @ 10000 h Operation DV resistance Good, application-related testing Diameter of single (ixed) 5 x Outer diameter Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Dol resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Del rosion speed 35 cycles/min	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,85 mm Outer diameter blorance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (istatic) 40 °C Max. operating temperature (itxed) 80 °C / 90 °C @ 10000 h Operation DV resistance IEC 60332-22 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance IEC 60332-22 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing	Material wire insulation	PP
Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-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 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DV resistance DIN EN ISO 4892-2 A	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 25 kV @ 60 s Mominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation Div resistance Diversitance Div Risiance Din Nin ISO 4892-2 A Flame resistance EC 6032-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Ending resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 35 cycles/min	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-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 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - wire) 2,5 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynami	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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 2-25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UN vesistance DIN EN ISO 4892-2 A Elame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (formanic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Shore hardness wire insulation	70 ± 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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Qr/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Mc. withstand voltage power (wire - wire) 2,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation DV resistance Bin Schollage (bull 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance IEG 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer di	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-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 Traversing distance (C-track) 10 m @ 25°C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Div resistance DIN EN ISO 4892-2 A Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Casoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 26 °C horizontal Current load capacity (standard) 27 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - sizoket) 2,5 kV @ 60 s Max. operating temperature (wire - wire) 2,5 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2.5 kV @ 60 s AC withstand voltage power (wire - wire) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 2.5 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Diameter of single wires	0,15 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Conductor crosssection (wire)	0,75 mm²
Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance EEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Florsion speed 35 cycles/min	Conductor type (wire)	strand class 6
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Traversing distance (C-track)	10 m @ 25 °C horizontal
Electrical resistance line constant wire 26 \(\text{ \text{\text{ / 20 °C}}} \) Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - yice - jacket) 2.5 kV @ 60 s AC withstand voltage power (wire - wire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 \(\) 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	Current load capacity min. wire	12 A
Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance LEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 35 cycles/min	Electrical resistance line constant wire	26 Ω/km @ 20 °C
(wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	Nominal voltage power AC max.	300 V
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 35 cycles/min	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
· · · · · · · · · · · · · · · · · · ·	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m