

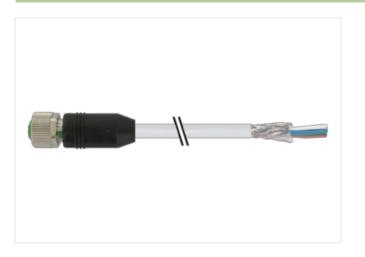
M12 female 0° A-cod. with cable shielded

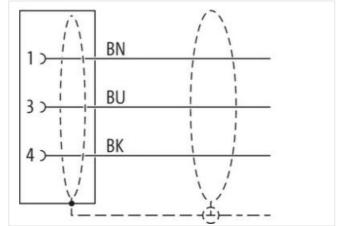
PUR 3x0.34 shielded gy UL/CSA+drag ch. 25m

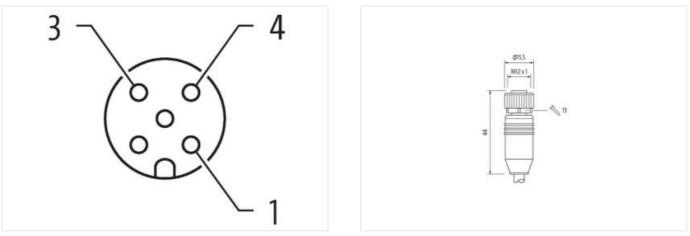
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

25 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879542678
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
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 Climati	c
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
·	040
Cable identification	240
Cable Type Jacket Color	3
	gray

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Anount stranding 1 Stranding 3 wires twisted Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mic. @ 25 °C Cable waight 44 g/m Material jacket PUR Store hardness jacket PUR Store hardness jacket 90 ± 5 Store A Freedom from ingordients (jacket) iaad reo, cadmium-free, CFC free, halogen-free, silicone-free Outer-diameter (jacket) 5 % Material wire insulation PP Anount wires 3 Outer diameter insulation 1 25 °m Cater diameter insulation 1 25 °m Store hardness wire insulation 1 25 °m Cater diameter insulation 1 25 °m Cater diameter insulation 1 25 °m Candent strand, sivele 0,1 nm Canductor rowsection (wire) 0,24 mm? Canductor rowsection (wire) 0,24 mm? Canductor rowsection (wire) 0,24 mm? Canductor row S A <th>Type of Certificate</th> <th>cURus</th>	Type of Certificate	cURus
Cable shelding (type) copper braid, tinned Cable shelding (coverage) B0 % Banding Fleece, Foll wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mie, Ø2 % C Cable waigin 44 g/m Material jacket PUR Shore hardness globt 90.5 Shore A Freedom from ingredients (glocket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolarance outer diameter (sharet) 1 5 % Material twine insulation PP Anount wies 3 Outer diameter tolerance outer wie insulation 1.25 mm Outer diameter tolerance outer wie insulation 1.25 mm Outer diameter tolerance outer wie insulation 1.25 Shore D Ingredient foreness wie insulation 1.9 S Shore D Tore diameter tolerance outer wie insulation 1.9 S Shore D Conductor tryps (wire) 42 Dameter di sing wires 0.11 mm Conductor rossection (wire) 0.34 mm² Material conductor wire Branado copper wine, bare	Amount stranding	1
Cable shielding (coverage) 80 % Banding Flaece, Foil wire arrangement brown, black, ble No. of bending cycles (C-track) 5 Mio, @ 25 °C Cable weight 44 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from nyedents (jacket) 5 mm Outer-diameter (jacket) 5 mm Tolerance outer diameter (isoket) 4 5 % Matrial wite insulation PP Amount wites 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 12,5 % Shore hardness wire insulation 12,5 % Shore hardness wire insulation 12,5 % Diameter of single wires 0,1 mm Conductor rossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor trave wire S mode S C C Incontal Current load capacity (intravel met S C Incontal Current load capacity (intravel met S C Incontal Current load capacity (intravel met S C Incontal	Stranding	3 wires twisted
Banding Fieldsc, Full wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 44 g/m Matricial jackel PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer diameter (gacket) 1 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 % Shore hardness wire insulation 1,25 % Mount strands (wire) 42 Diameter of single wires 0,1 mm Conductor royse action (wire) 0,34 mm² Carrent load capacity (marker wire) 57 GAm de 25 °C (horizontal Carrent load capacity (marker wire) 57 GAm de 25 °C Carrent load capacity (marker wire) 57 GAm de 25 °C Carrent load capacity (marker wire) 57 GAm de 25 °C C	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blae No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 44 g/m Material jacket PUR Shore hardness jacket 80 ± 5 Shore A Freedom from ingredents (jacket) lead-tree, cadmum-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Toleranze outar diameter (health) 1 5 % Material w/e insulation PP Amount wires 3 Outer diameter (loarance core insulation 1 25 mm Conductor wires wire insulation 1 28 mm Conductor sets wire insulation 1 28 mm Conductor wires wire insulation 1 28 mm Material conductor wire Stranded copper wire, bare Conductor wires setwire insulation 1 01 N VDE 0298-4 Current load capacity (wire)	Cable shielding (coverage)	80 %
No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weight 44 g/m Material jackt PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PP Amount wise 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Conductor vise wite insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diametor of single wires 0.1 nm Conductor vise wite insulation 1.25 mm Conductor vise wite insulation 1.26 mm ² Conductor vise wite insulation 1.26 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wite) 0.34 mm ² Conductor vise wite ins	Banding	Fleece, Foil
Cable weight 44 g/m Material jacket PUR Material jacket 90 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.24 mm Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor rossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (Crack) 5 m @ 25 °C (I horizontal Current load capacity rinn. wire 6 A Electrical resistance line constant wire 57 Okm @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Min: oparating temperature (istal) 20 °C Morinal voltage power (wire - shield) 2 kV @ 60 s Min: oparating tem	wire arrangement	brown, black, blue
Material Jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Trom Ingredients (jacket) Isod Free, catrium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient Teeness wire insulation 70 ± 5 Shore D Ingredient Teeness wire insulation 124 5 % Material wire insulation 70 ± 5 Shore D Ingredient Teeness wire insulation 124 5 % Material conductor wire Strande copper wire, bare Conductor type (wire) 0,34 mm² Conductor wire Strande copper wire, bare	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket 90 ± \$ Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter lolarance core insulation 1.25 mm Outer diameter (alumeter lolarance core insulation 1.84 % % Shore hardness wire insulation 1.95 % Shore hardness wire insulation 1.94 % % Outer diameter (alumeter lolarance core insulation 1.84 % % Outer diameter (alumeter lolarance core insulation 1.94 % % Conductor wires section (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor trossection (wire) 5 m @ 25 ° C horizontal Current load capacity (standard) to DIN VDE 0298 4 Current load capacity (standard) to DIN VDE 0298 4 Curent load cap	Cable weigth	44 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath) \pm 5 %Materia wire insulationPPAmount wires3Outer diameter lolarance core insulation1.25 mmOuter diameter lolarance core insulation \pm 5 %Shore hardness wire insulation1.25 mmOuter diameter lolarance core insulation1.6 %Amount strands (wire)42Diameter of single wires0.1 mmConductor cossection (wire)0.34 mm²Material wire insulation6.4 %Conductor vireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareCurrent load capacity (strandard)to DIN VDE 0298.4Current load capacity (strandard)to DIN VDE 0298.4Current load capacity (strandard)to DIN VDE 0298.4Current load capacity (strandard)2 kV @ 60 sNominal voltage power (wire - shield)2 kV @ 60 sNominal voltage power (wire - shield)2 kV @ 60 sCore (wire - wire)2 kV @ 60 sCore (w	Material jacket	PUR
Outer diameter (jackat) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 124 ± 0 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material origit e wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor type (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C+rack) 5 m @ 25 °C holizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Nominal voltage power (wire - wire) 2 kV @ 60 s Min. oparating temperature (mixed) 80 °C / 90	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Imgredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current toad capacity min, wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Querent toad capacity min, wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Ac withstand voltage power (wire - wire) <	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter of lowance core insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 126 mm Outer diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Strand dease 6 Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed)	Outer-diameter (jacket)	5 mm
Amount wires 3 Outer diameter insulation 1.25 mm Outer 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 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor of single wires 0,1 mm Conductor type (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current toal capacity (strandard) to DIN VDE 0298-4 Current toal capacity winshand voltage power (wire - shield) 2 KV @ 60 s Rower tacket) 2 KV @ 60 s Ac withstand voltage power (wire - shield) 2 KV @ 60 s Min. operating temperature (static) -40 °C Ac withstand voltage power (wire - wire) 2 KV @ 60 s Max. opperatiture max.	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer 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 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wirks) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (fiked) 80 °C / 90 °C @ 10000 h Operation	Material wire insulation	РР
Outer 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 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ^e Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-rack) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wini) 57 Ω/km @ 20 °C Nominal voltage power A Cureax 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Operating temperature (statc) -40 °C Operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Gerating temperature (statc) -4	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 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rosseection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 (niv ire) 2 kV @ 60 s Power frequency withstand voltage power AC max. 300 V AC withstand voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Min: operating temperature (statc) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) <td>Outer diameter insulation</td> <td>1,25 mm</td>	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gin resistance Ele C 60322-2-2 UL 158!	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 win: wire 6 A Electrical resistance line constant wire 57 0/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -26 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-r	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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) 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature (static) -80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oll resistance Good, application-related testing Oll resistance Doud, application-related testing <t< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></t<>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 028-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline 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 <t< td=""><td>Amount strands (wire)</td><td>42</td></t<>	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kV @ 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ifxed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDN EN 60811-404 Good, application-related testingOil resistanceDN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 Flame resistance IEC 60332-2-2 I UL 1581 § 1100 FT2 I UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Current load capacity min. wire	6 A
AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. 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 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 DIN EN 60811-404 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	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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 DIN EN 60811-404 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	Nominal voltage power AC max.	300 V
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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 DIN EN 60811-404 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	Operating temperature min. (dynamic)	-25 °C
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Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 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	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 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	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	DIN EN 60811-404 Good, application-related testing
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 ± 30 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 30 °/m

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: 2024-04-26

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