

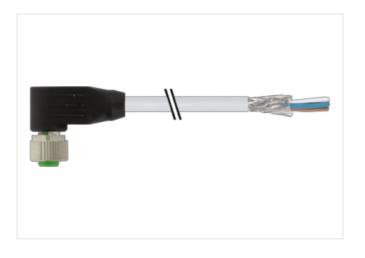
M12 female 90° A-cod. with cable shielded

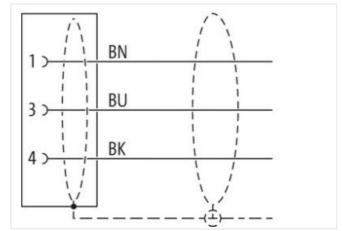
PUR 3x0.34 shielded gy UL/CSA+drag ch. 5m

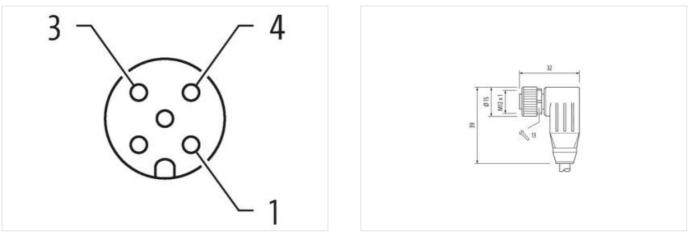
Female 90° M12, 3-pole shielded A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

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

5 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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	4048879632591
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	
Stripping length (jacket)	20 mm
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 Climatic	
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	

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Cable Type 3 Jackai Cobr grav Type of Certificate CLFUs Arnount standing 1 Stranding 3 wiss wisked Cable strikeding (coverage) 80 % Banding Flaese. Foll Wire strangement brown, black, blue No. of bending yopies (C-track). 5 Mio. @ 25 °C Cable strikeding (coverage) 80 %: 5 Store A Store hardness (socket 90 ± 5 Store A Freedom from ingradents (storket) 80 ± 5 Store A Freedom from ingradents (storket) 80 ± 5 Store A Freedom from ingradents (storket) 80 ± 5 Store A Outer diameter (storket) 5 % Material work instantion PP Amount virise 8 Outer diameter wire instantion 71 ± 5 % Store hardness wire instantion 12 5 % Store hardness wire instantion 71 ± 5 % Braneter of single wires <th>Cable identification</th> <th>240</th>	Cable identification	240
Jacket Coor gray Type i Certificate cuBus Amount standing 1 Stranding 3 wies tweled Cable silvating (type) copper transit, finding Cable silvating (type) copper transit, finding Banding Fileeou. Foll wire anangement brown, back, blue No. of bunding cycles (C track) 5 Mo. @ 25 °C Cable weigh 44 grm Material jacket PUR Strone hardness jacket PUR Fibre hardness jacket PUR Autorial wire insulation 1.25 mm Outer diameter (frashit) 1.5 % Material wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer dingle wires 0,1 mm	Cable Type	3
Type of Certificate cLiFus Arnount stranding 1 Stranding 3 vices lwsted Cable Stelding (type) copper braid, timed Cable Stelding (cverage) 80 % Barding Proces, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mc. @ 25 °C Cable weight 44 g/m Material jack PUP Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5 m Cable administic (jacket) 5 mm Cable administic (jacket) 5 m Amount straints in instantion PP Amount works 3 Outer diameter installation 1.25 mm Outer diameter installation 70 ± 5 Shore D Ingredient freesaw wire installation 70 ± 5 Shore D Ingredient freesaw wire installation 70 ± 5 Shore D Ingredient freesaw wire installation 70 ± 5 Shore D Ingredient freesaw wire installation 70 ± 5 Shore D Ingredient freesaw wire installation 70 ± 5 Shore D		
Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) cooper braid, trinned Cable shielding (coverage) 80 % Banding Pleeen, Foll wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weigh 4 g m Material jacket 90 ± 5 Shore A Freedom from ingradents (jacket) 1 ka 4-free, codmium-free, CFC-tree, halogen-free, slicone-free Other -diameter (jacket) 5 mm Tolerance outer diameter (shick) 5 5 °. Material grade (shick) 1 -25 °m Armount wires 3 Outer -diameter (sicket) 5 mm Outer diameter insulation 1 -25 °m Outer diameter insulation 1 -25 °m Darter diameter insulation 1 -25 °m Darter diameter insulation 1 -25 °m Darter diameter insulation 1 -25 °m Carter diameter (shering) 42 Darater of single wise 0.1 rm Conductor yree Stranded copper wire, bate Carter		
Stranding 9 wires twisted Cable shelding (type) copport braid, tinned Cable shelding (type) 00 % Banding Fibeco, Foll wire arrangement blow, blow, blow No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 44 g/m Material jacket PUB Store Inderdess jacket 00 ± 5 S brore A Freedom from regordents (jacket) 5 mm Toterance outer diameter (heath) ± 5 % Material vice insulation PP Amount wires 3 Outer diameter (isoket) 12 5 mm Outer diameter (wire) 4 5 %. Material wire insulation PP Amount wires 3 Outer diameter insulation 12 5 mm Outer diameter	5	
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Cable shielding (coverage) B0 % Banding Fleece, Foil Wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio, @ 25 °C Cable weigh 44 g/m Malerial jackel PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jackel) 5 mm Tolerance outer diameter (isokel) 5 mm Tolerance outer diameter (isokel) 1 5 % Material wire insulation PP Anourt wires 3 Outer diameter insulation 70 ± 5 Shore D Ingredient ferenes wire insulation 70 ± 5 Shore D Ingredient ferenes wire insulation 70 ± 5 Shore D Conductor crosssection (wire) 0.34 mm ² Anourt strands (wire) 42 Diameter d'angle wires 0.1 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare <		
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Cable weigh 44 g/m Material jacket PUR Shore hardness 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 tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter sisalation 70 ± 5 Shore D Ingredient freemess wire insulation 10 ± 5 % Anount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crossocial (wire) 0.34 mm ² Material conductor wire S Tranded copper wire, bare Conductor vire (C-track) 5 m @ 25 °C horizontal Current load capacity fish ander) to DIV VDE 0298-4 Current load capacity fish ander) 2 kV @ 60 s Mina overlage power (wire - shield) 2 kV @ 60 s Mina overlage power (wire - shield) 2 kV @ 60 s Mina overlage power (wire - shield) 2 kV @ 60 s Mina operating temperature faitastone 80 °C / 90 °C @ 1		
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jackat) 5 mm Tolerance outer diameter (jackat) 5 mm Material wire insulation PP Amount wires 3 Outer diameter (jackat) 15 % Material wire insulation 1.25 mm Outer diameter (jackat) 5 % Shore hardness wire insulation 1.25 mm Outer diameter (jackat) 6 % Shore hardness wire insulation 1.25 % Material freeness wire insulation 1.42 % Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm ² Diameter of single wires 0.1 mm Conductor type (wire) strand doape free, balogen-free, silicone-free Current load capacity (strand		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Ucler-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Matorial wire insulation PP Amount wires 3 Outer diameter (logance core insulation 1.25 mm Outer diameter (logance core insulation 1.5 % Shore hardness wire insulation 1.65 % Shore hardness wire insulation 1.64 % e. 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 vires Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 6 A Electrical resistance (E-track) 5 m @ 25 °C Intrizontal Ninnial voltage power (wire - shield) 2 NV @ 60 s		-
Freedom from lagredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 % 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 rowssection (wire) 0.34 mm² Material conductor wire Strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperatur		
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 7.0 ± 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 0.11 mm Conductor crosssection (wire) 0.34 mm ^o Material conductor wire Stranded copper wire, bare Conductor rosssection (wire) 0.34 mm ^o Canductor type (wire) Strandel copper wire, bare Conductor type (wire) Strandel copper wire, bare Conductor type (wire) Strandel copper wire, bare Current Load capacity (standard) to DIN VDE 0298-4 Current Load capacity (win- wire 6 A Edicical resistance line constant wire 57 0 km @ 20 °C Nominal voltage power (wire - shield) 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 (kitac) <td></td> <td></td>		
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 Ingredient freeness wire insulation 184 / Fee, 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 ⁹ Material conductor wire Stranded coper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min, wire 6 A Electrical resistance line constant wire 57 Qkm @ 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 Material conducting 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 <		
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter folarance core insulation 1 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 163 % Material wire insulation 164 /Fee, cadmium-free, CFC-free, halogen-free, silicone-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 DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity min, wire 6 A Electrical resistance line constant wire 57 Okm @ 0 °C Nominal voltage power (wire - wire) 2 kV @ 60 s		
Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free 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 osseschion (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor toysessection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor toyse (wire) strande class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (istatic) -40 °C Max. operating temperature (istatic) -25 °C Operating temperature (istatic) 80 °C / 90 °C @ 10000 h Operation Operating temperature (istatic) 80 °C / 90 °C @ 10		
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 wire Stranded copper wire, bare 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) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (staci) 40 °C Max. operating temperature (staci) 80 °C / 90 °C @ 10000 h Operation Operating temperature (staci) 80 °C / 90 °C @ 100000 h Operation	Material wire insulation	
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 rossesction (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 DE 0298.4 Current Load capacity (standard) to DIN VDE 0298.4 Ac withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C	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 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 029 °C <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, silicone-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 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 Min. 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 Flame resistance Good, application-related testing Gaoidine resistance Good, application-related testing Golie resistance Good, application-related testing Goli resistance Dix Outer diameter Bending radius (fixed) <	Outer diameter tolerance core insulation	±5%
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) stranded copper wire, bare Conductor type (wire) stranded copser wire, bare Conductor type (wire) stranded copser wire, bare Current load capacity (standard) to DIN VDE 0298-4 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 Z wire requency withstand voltage power (wire - wire) 2 kV @ 60 s Main: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gaoiine resistance Good, application-related testing Goi ire esistance Good, application-related testing Goi ire esistance DIN EN 60811-404 Good, ap	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor cossection (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 load capacity (standard) to DIN VDE 0296-4 Current load capacity (standard) to DIN VDE 0296-4 Current load capacity (standard) to DIN VDE 0296-4 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 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Power frequency isstance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance	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 (strandard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (strandard) 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 Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Gonductor (static) -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 DIN EN 60811-404 Good, application	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing 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 C/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)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 I UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline 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	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 - shield)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 (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (gynamic)10 × 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 °CNomial voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingGil resistanceDIN EN 60811-404 Good, application-related testingGil 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	Material conductor wire	Stranded copper wire, bare
Current 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 power2 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 I UL 1581 § 1100 FT2 I UL 1581 § 1090chemical resistanceGood, application-related testingGasoline 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 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 - 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 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 (tixed) 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.<	Traversing distance (C-track)	5 m @ 25 °C horizontal
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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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