

M12 male 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 5m

Male straight M12, 4-pole 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.

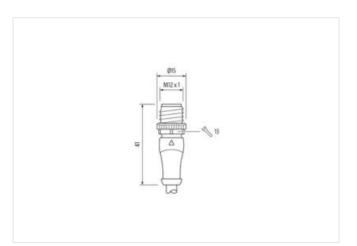
Link to Product

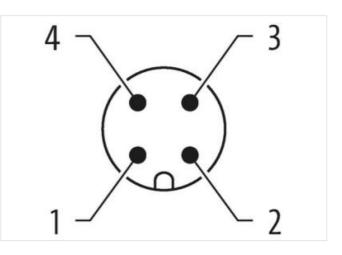


Illustration









Product may differ from Image



Cable length	5 m	
Side 1		
Tightening torque	0,6 Nm	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18

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Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-0.0 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-3.0	27060311
ECLASS-10.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879217750
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	30 V 30 V
Current operating per contact max.	4 A
	τ Λ
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 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 ℃
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
	DIN EN 61076-2-101 (M12)
Product standard	

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Cable Ingeneration 634 Cable Type 9 Jacket Color black Type of Certificate cDNss Amount stramforg 1 Stranfing 4 wires average wire arrangement block, bloc, bl	wire arrangement	brown, black, blue, white
Jacket Colar black Type of Certificate CURus Amount standing 1 Stranding 4 wires twisted wire arrangement brown, black blue, while Cable weigh 36.3 µm Matterial jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Outer diamoter (stacket) 1.8 of Xee, cadmium-free, CFC-free, halogen-free, silicone-free Outer diamoter (stacket) 4.5 mm Tolerance outer diamoter (stacket) 2.5 %. Material wire insulation 1.25 mn Outer diamoter insulation 1.25 mn Outer diamoter (stacket) 1.25 %. Shore hardness wire insulation 1.25 Shore D Ingredient freeness wire insulation 1.25 Nm Outer diamoter of insulation 1.25 Nm Conductor rossection (wire) 0.34 mm² Material origin wires 4. Conductor rossection (wire) 0.34 mm² Material single wires 0.10 NUVD C2894 Conductor rossection (wire) 0.34 mm² Conductor wire <td>Cable identification</td> <td>634</td>	Cable identification	634
Type of Certificate cURus Armount stranding 1 Stranding 4 wices twisted wire arrangement brown, black, blue, white Cable weigh 58.3 gm Material jackat PUR Strone Marchess jackat 90.5 Shore A Freedom from ingedients (jacket) 16.4 free, communifice, CFC-free, halogen-free, silicone-free Outer diameter (jackat) 4.5 mm Tolerance outer diameter (silicalit) ± 5 % Arterial wire insulation 125 mm Outer diameter insulation 1.5 fr.m Outer diameter insulation 1.6 % Shore harchess wire insulation 1.6 % % Shore harchess wire insulation 1.6 % % Concurd diameter formance core insulation 1.6 % % Shore harchess wire insulation 1.6 % % Concurd diameter insulation 1.6 % % Shore harchess wire insulation 1.6 % % Consult strands (wire) 0.34 mm? Consult strands (wire) 0.34 mm? Consult strands (wire) 0.34 mm? Constactor key (wire) standed copper wire,	Cable Type	3
Amount stranding 1 Stranding 4 wires kinated wire arrangement brown, black, blue, white Cable weight 96.3 g/m Material jackott PUR Stranding (ask) Dison handness jacket 90.4 5 Shore A Freedom from ingredients (glacket) lead-free, cadmum-free, CPC-free, halogen-free, silicone-free Outer diameter (glacket) 2.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter to insulation 1.25 from Outer diameter to insulation 1.25 from Outer diameter to insulation 1.25 Shore D Ingredient feorenses wire insulation 1.26 Shore D Ingredient feorenses wire insulation 1.26 Shore D Ingredient feorenses wire insulation 1.25 Shore D Ingredient feorenses wire insulation 1.26 Shore D Ingredient feorenses wire insulation 1.26 Shore D Ingredient feorenses wire insulation 1.27 CM Quarter diad capacity (invire) 2.5 No Conductor vi	Jacket Color	black
Stranding 4 wires itwisted wire arrangement brown, black, blue, white Cable weigh 36.3 g/m Matorial jacket PUR Shore handness jacket 90.1 5 Shore A Freedom from ingredients (jacket) 16.4 stree, cadmium free, CFC free, halogen-free, silicone-free Outer diameter (gacket) 4.5 mm Tolerance outer diameter (sheath) 5 5 % Amount wires 4 Outer diameter insulation 125 mm Outer diameter insulation 125 mm Outer diameter insulation 70.4 5 Shore D Ingredient Tolenase wire insulation 125 mm Outer diameter site insulation 126 mm Outer diameter insulation 126 mm Outer diameter site insulation 128 mm Outer diameter site insulation 128 mm Outer diameter wire insulation 128 mm Outer diameter insulation 128 mm Outer diameter wires wire insulation 142 Diameter of single wires 0,1 nm Conductor type (wire) strand dess 6 Outer diameter wires wire insulation	Type of Certificate	cURus
wire arrangement brown, black, blue, white Cable weight 36.3 g/m Maticial jacket PUR Shore hardness jacket 90.5 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Toferance outer diameter (loeketh) 1.5 % Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70.4 5 Shore D Ingredient freemess wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 % Diameter of single wires 0.1 mm Conductor views 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded case 6 Normal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (withstand voltage (wire wire) 2.5 kV @ 60 s	Amount stranding	1
Cable weight 36,3 g/m Material jacket PUR Shore hardness jaket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (shealth) ± 5 % Material diameter (sublation PP Amount wires 4 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 1.25 mm Conductor crosssection (wire) 0.44 mm ² Conductor vires Stranded copper wire, baire Outer diameter of splane wires 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire (wire) 0.34 mm ² Carrent load capacity rinits, wire 4.8 A	Stranding	4 wires twisted
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, calilizone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Material Wire Insulation PP Armount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,24 mm Mount stands (wire) 42 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,34 mm ² Conductor type (wire) Starad class 6 Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4	wire arrangement	brown, black, blue, white
Shore hardness jackel 90 ± 5 Shore A Freedom from ingredients (jacket) lead free. cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolarance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance ocere insulation 1.25 mm Outer diameter tolerance ocere insulation 1.24 mm Ingredient freeness wire insulation 1.24 mm Conductor rows wire insulation 1.24 mm Conductor roy free (wire) 0.34 mm ² Conductor roy free (wire) 0.34 mm ² Conductor roy free (wire) 0.43 mm ² Conductor ry free (wire) 0.43 mm ² Conductor ry free (wire) 0.43 mm ² Conductor ry free (wire) 0.54 mm ² Conductor ry free (wire) 2.5 kV Ø 60 s Conductor ry free (wire) 2.5 kV Ø 60 s Power freequency withstand volta	Cable weigth	36,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 4 Outer diameter (insulation 1.25 mm Outer diameter (insulation 70 ± 5 Shore D Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.11 mm Conductor or cossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor or cossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor or cossection (wire) 0.54 mm² Carrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0290 °C Act withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Min. opera	Material jacket	PUR
Outer-diameter (acket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (statation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation ie 5 % Shore hardness wire insulation iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor cossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (strandard) to DIN VDE 0289-4 Max operating temperature max. (dynamic) 2.5 KV Ø 60 s Min.	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Anount wires 4 Outer diameter insulation 1.25 mm Outer diameter folerance core insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 16ad 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 ⁴ Material conductor wire Stranded copper wire, bare Conductor rosssection (wire) 0.34 mm ⁴ Mominal voitage AC max. 300 V Current load capacity (stinadard) to DIN VDE 0298-4 Current load capacity (stinadard) to DIN VDE 0298-4 Current load capacity (wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Ac withstand voitage (wire - wire) 2,5 kV @ 60 s Mix. operating temperature (fixed) 60 °C / 90 °C @ 10000 h Operation Operating temperature (static) -40 °C Hane resistance DiN EN ISO 4882-2 A <td< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></td<>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amourt Wries 4 Outer diameter insulation 1.25 mm Outer diameter insulation 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 125 mm Outer diameter (view) 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 Nominal voltage AC max. 300 V Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Okm @ 20 °C AC withstand voltage (wire - vire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - vire) 2.5 kV @ 60 s Iackot) 40 °C Max. operating temperature (static) 40 °C Ver resistance DIN EN ISC 4892-2 A Flame resistance UL 1581 § 1000 I POP action UV resistance Good, application-related testing Oil resistance Good, application-related testing Oil resist	Outer-diameter (jacket)	4,5 mm
Amount wires 4 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 crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 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 Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C	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 osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Austing towlage (wire -wire) 2,5 kV @ 60 s Current load capacity trian wire 4,8 A Electrical resistance inc operating temperature (fixed) Ado °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance <td>Material wire insulation</td> <td>PP</td>	Material wire insulation	PP
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor vossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sPower frequency withstand voltage (wire - stand voltage (wire - stacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - stacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax operature generature (static)-40 °COperating temperature (static)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingO	Amount wires	4
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 rossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4832-2 A Flame resistance G	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 rossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - site) 2.5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related tes	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) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Galier esistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x	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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 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<	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGold resistanceGood, application-related testingGold application-related testing5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles2 Mio.Traver sign distance (C-track)10 Mio. @ 25 °C	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - is for Q/km @ 20 °C AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - is for Q °C AC with stand voltage (wire - wire) Ac with stand voltage (wire - wire) 2,5 kV @ 60 s Min: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 </td <td>Diameter of single wires</td> <td>0,1 mm</td>	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance Good, applicati	Conductor crosssection (wire)	0,34 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 (2/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (isted)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-22-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire $57 \Omega/km @ 20 °C$ AC withstand voltage (wire - wire) $2,5 kV @ 60 s$ Power frequency withstand voltage (wire - jacket) $2,5 kV @ 60 s$ Min. operating temperature (static)-40 °CMax. operating temperature (fixed) $80 °C / 90 °C @ 10000 h Operation$ Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic) $80 °C / 90 °C @ 10000 h Operation$ UV resistanceDIN EN ISO 4892-2 AFlame resistanceLL 1581 § 1000 JEC 60332-2-2 J UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver speed (C-tra	Conductor type (wire)	strand class 6
Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - intervention of the second o	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) 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 UL 1581 § 1090 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Traversing distance (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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 No. of bending cycles (C-track) 10 m @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Traversing distance (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket) 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket) 2.5 kV @ b0 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Dix N Cuter diameter Bending radius (fixed) Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin resistanceGood, application-related testingOil resistanceGood, application-related testingDin resistanceGood, application-related testingDin resistanceGood, application-related testingDin gradius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Gasoline resistance	Good, application-related testing
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No. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	
Travel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C horizontal
Torsion stress ± 180 °/m	Travel speed (C-track)	3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-18

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