

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.

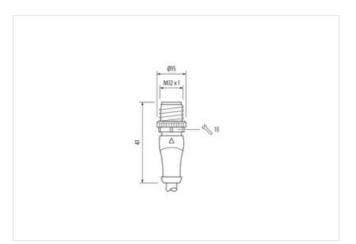
Link to Product

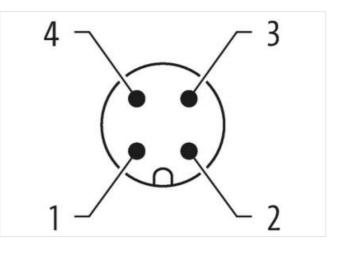
Illustration











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: 2024-05-20

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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-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	4048879217750
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 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	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 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	

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Cable Indentification634Cable Type3Jackot ColorblackType of CarllicaleC/HusAnount stranding1Stranding4 wires twittedWires arrangementboow, black, blue, witheCable weight96.3 grmMaterial jacket90 f 5 Shore AFreeder Them Ingredients (ackel)80 f 75. Shore AFreeder Them Ingredients (ackel)4.5 rmTolerance subset (ackel)4.5 rmTolerance subset (ackel)4.5 rmTolerance subset (atmater (heater)5 %Amount stranding wei insulationPPArrount stranding wei insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater insulation7.0 1.5 Shore DFreeder Wei insulation7.0 1.5 Shore DShore hardness wei insulation7.0 1.5 Shore DArrount strandis (wei)4.4Quanter of single wines0,1 rmContract dimeter (heater)0.54 rm²Contract dimeter (heater) </th <th>wire arrangement</th> <th>brown, black, blue, white</th>	wire arrangement	brown, black, blue, white
Jackat Cobr black Type of Cartificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigh 36 g/m Material jacket PUR Shone hardnese jacket PUR Shone hardnese jacket PUR Outer diameter (stacket) 4.5 mm Tolerance outer diameter (stacket) 4.5 mk Outer diameter (stacket) 5 % Material quarter (stacket) 1.5 % Material wei insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 7.0 5 Shore D Tingridemt treeness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter (stacket) 0.34 mm² Material single wires 0.1 mm Conductor rype (wire) Strand class 6 Nomini valtage AC max. 300 V Current lacd capacity (standard) 10.10 VUE C398.4 Current lacd capacity (standard) 10.01 VUE C398.4	Cable identification	634
Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigh 58.3 g/m Material jackot PUR Strone hardness jackat 90.5 Shore A Freedom from ingedients (tackat) 4.5 mm Colar-ander (tackat) 4.5 mm Colar-ander (tackat) 4.5 mm Colar-ander (tackat) 4.5 % Amount Wros 4 Outer diameter (tackat) 1.5 % Amount Wros 4 Outer diameter insulation 1.25 mn Outer diameter insulation 1.25 mn Outer diameter insulation 1.25 mn Outer diameter insulation 1.25 km Shore hardness wire insulation 1.25 km Conductor type (wire) 4.2 Diameter of targinge wires 0.1 mm Conductor type (wire) Standed copper wire, bare Conductor type (wire) standed copper wire, bare Conductor type (wire) standed copper wire, bare	Cable Type	3
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 36.3 g/m Material jackott PUR Stranding 4.5 Shore A Freedom from ingredients (jacket) lead-free, caffuurn-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 2.5 % Material wei insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 free Outer diameter insulation 1.25 Shore D Ingredient feeness wire insulation 1.25 Shore D Mount strands (wire) 42 Dameter tolerance core insulation 1.25 Shore D Ingredient feeness wire insulation lead-free, cantinum-free, CFC free, halogen free, silicone free Manuet strands (wire) 0.1 mm Conductor orossection (wire) 0.34 mm? Material conductor wire Strand dec copen wire, bare Conductor vires (wire) 0.34 mm? Material donabage (wire - wire) 2.5 KW @ 60 s Normical dapacity (intr, wire) 4.8 A Curr	Jacket Color	black
Stranding 4 wires twisted wire arrangement brown, black, bloe, write Cable weigh 36.3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Tolerance outer diameter (jacket) ± 5 % Material visit visitation PP Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation 125 mm Outer diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare	Type of Certificate	cURus
wire arrangement brown, black, blue, white Cable weigh 36.3 g/m Material jacket PUR Shore hardness jacket 90 : 5 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (isleath) 1 : 5 % Mitorial jacket 4 Outer diameter insulation 1.25 mm Conductor of stress wire insulation 1.24 mm Ingredent freeness wire insulation 1.25 mm Outer diameter insulation 1.27 mm <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight 36,3 g/m Material jacket PUR Shohe hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Outer diameter (isulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 7.0 ± 5 Shore D Ingredient freeness weir insulation 7.0 ± 5 Shore D Ingredient freeness weir insulation 7.0 ± 5 Shore D Conductor crosssection (wire) 0.34 mm ² Conductor crosssection (wire) 0.34 mm ² Conductor vire Stranded copper wire, bare Conductor vire Stranded capper wire, bare <	Stranding	4 wires twisted
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tron Ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free Outer diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 125 mm Outer diameter insulation 70 ± 5 Shore D Ingredient teness wire insulation 125 mm Couluer diameter insulation 124 mm Ingredient teness wire insulation 124 ± 2 Diameter of single wires 0,1 mm Conductor rowssection (wire) 0.34 mm? Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper w	wire arrangement	brown, black, blue, white
Shore hardness jacket 90 ± 5 Shore A Freadm from ingredients (jacket) lead free, cadmium free, CFC-free, halogen-free, silicone-free Outer diameter (aketa) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor type (wire) 0.34 mm² Material conductor wire Strand class 6 Conductor type (wire) strand class 6 Conductor type (wire) 2.5 kV @ 60 s Control type (wire) 2.5 kV @ 60 s Control type (wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2.5 kV @ 60 s Noninal type parature (static) -40 °C	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 1,25 mm Outer diameter (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 sossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor tropsection (wire) 3,54 mm ² Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) to DIN VDE 0280-4 Material conductor wire 2,5 kV @ 60 s Min. operating temperature (fixe	Material jacket	PUR
Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 2,5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Amount strands (wire) 42 Diameter of slipe wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 5 Nominal voltage AC max. 300 V Current load capacity (stindard) to DIN VDE 0294.4 Current load capacity (stindard) to 0 NC / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) <td< td=""><td>Shore hardness jacket</td><td>90 ± 5 Shore A</td></td<>	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.5 % Shore hardness wire insulation 1.5 % Shore hardness wire insulation 1.6 % Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.34 mm² Conductor crosssection (wire) 0.34 mm² Conductor crosssection (wire) 0.34 mm² Conductor vice Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (min, wire 4,8 A Electrical resistan	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 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 crossesction (wire) 0,34 mm ² Material conductor wire Stranded coper 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 Q.Km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - insc.) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max operating temperature (static) -40 °C V/ resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing	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. 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 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) -10 °C Op	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 Imgredient Treeness wire insulation tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor orsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor assection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor opacity (strandard) to DIN VDE 028-4 Current load capacity (strandard) to DIN VDE 028-4 Current load capacity (strandard) to DIN VDE 028-4 Current load capacity (wine - ispace) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - wire) 2,5 kV Ø 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Opparating temperatur	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 viressection (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)2,5 kV @ 60 sPower frequency withstand voltage (wire - sizket)2,5 kV @ 60 sPower frequency withstand voltage (wire - sizket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (inc)80 °C / 90 °C @ 10000 h OperationOperating temperature (inc)80 °C / 90 °C @ 10000 h OperationOperating temperature (inc)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUI L581 § 1000 IEC 60332-2 2 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rela	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 rosseection (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 (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 (static) -40 °C Max. operating temperature (static) -20 °C @ 10000 h Operation Operating temperature (static) -20 °C @ 10000 h Operation UV resistance UI 158 i § 1000 FT2 Chemical resistance Good, application-relate	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 rossesction (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 - iter) 2.5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -25 °C Operating temperature (stanc) 80 °C / 90 °C @ 10000 h Operation <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsssection (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 Power frequency withstand voltage (wire - iacket) 80 °C / 90 °C @ 10000 h Operation 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 UV resistance DIN EN ISO 4882-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Goli resistance Good, application-related testing I DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter	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 - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (max. (dynamic) -25 °C Diversitance	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)to DIN VDE 0298-4Current load capacity (standard)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 (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGoli resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 Mio. @ 25 °CNo. of bending cycles (2 - frack)10 Mio. @ 25 °CNo. of bending cycles2 Mio.Torsion stress± 180 °/m	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 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 - isotant wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mixed) 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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 5 x Outer diameter No. of bending cycles (C-track)	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 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 - ispace in the interval of 2.5 kV @ 60 s 2.5 kV @ 60 s Min. operating temperature (static) -40 °C 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 UV resistance DIN EN ISO 4929-2 A Flame resistance UL 1581 § 1090 IEC 6032-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil r	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 Q/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 (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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (dynamic)10 x Outer diameterNo. of bending radius (c-track)10 m @ 25 °CTraver speed (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
$ \begin{array}{c} \hline Current load capacity (standard) & to DIN VDE 0298-4 \\ \hline Current load capacity min. wire & 4.8 A \\ \hline Electrical resistance line constant wire & 57 \Omega/km @ 20 °C \\ \hline AC withstand voltage (wire - wire) & 2.5 kV @ 60 s \\ \hline Power frequency withstand voltage (wire - jacket) & 2.5 kV @ 60 s \\ \hline Power frequency withstand voltage (wire - jacket) & 2.5 kV @ 60 s \\ \hline Max. operating temperature (static) & -40 °C \\ \hline Max. operating temperature (static) & -40 °C \\ \hline Max. operating temperature (fixed) & 80 °C / 90 °C @ 10000 h Operation \\ \hline Operating temperature min. (dynamic) & -25 °C \\ \hline Operating temperature max. (dynamic) & 80 °C / 90 °C @ 10000 h Operation \\ \hline UV resistance & DIN EN ISO 4892-2 A \\ \hline Flame resistance & UL 1581 § 1000 EC 60332-2-2 UL 1581 § 1100 FT2 \\ chemical resistance & Good, application-related testing \\ \hline Gasoline resistance & Good, application-related testing \\ \hline Oil resistance & Good, application-related testing \\ \hline Oil resistance & Good, application-related testing DIN EN 60811-404 \\ \hline Bending radius (fixed) & 5 x Outer diameter \\ \hline Bending radius (dynamic) & 10 x Outer diameter \\ \hline No. of bending cycles (C-track) & 10 Mio. @ 25 °C \\ \hline Traversing distance (C-track) & 10 Mio. @ 25 °C \\ \hline No. of torsion cycles & 2 Mio. \\ \hline Tarsion stress & \pm 180 °/m \\ \hline \end{array}$	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 - 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) -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 No	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 (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 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 DIN EN 60811-404 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 horizontal Travel speed (C-track) 3 m/s @ 25 °C	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 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 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 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 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 testingDi resistance10 x Outer diameterBending radius (fixed)5 x Outer diameter	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 Din & Outer diameter Bending radius (fixed) Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 m @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. <	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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin S × Outer diameterBending radius (fixed)5 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 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 testingNo. of 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	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 gradius (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	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
Flame 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 max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical 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	UV resistance	DIN EN ISO 4892-2 A
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 resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C 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	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
Bending 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	Oil resistance	Good, application-related testing DIN EN 60811-404
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)	10 x Outer diameter
Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 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: 2024-05-20

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