

## M12 female 0° A-cod. with cable

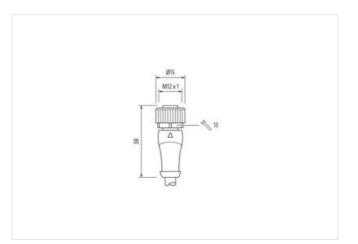
PUR 4x0.34 bk UL/CSA+drag ch. 20m

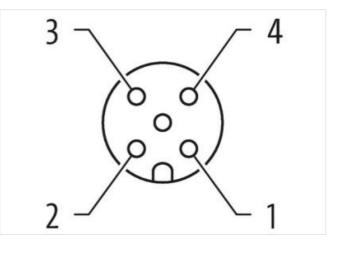
Female straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



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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Mounting method	inserted, screwed
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	4048879212045
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	
	M404
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)
riodaot standard	
Installation   Cable	

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Cable Ingen634Cable Tope5Jackot ColorblackType of Certificatec/HsisAnount stranding1Stranding4 wires availedwire arrangementborow, black, blue, whiteCable Suge604 5 g brMaterial jacket904 5 g brMaterial jacket904 5 S bore ADore Machanes jacket904 5 S bore ATolerance auter diameter (beam)4 5 mTolerance auter diameter (beam)4 5 mTolerance auter diameter (beam)4 5 %Amount stranding4Charler weight5 %Amount wires4Charler weight5 %Amount wires4Charler weight125 mmCharler weight125 mmCharler weight125 mmCharler weight125 mmCharler diameter installation12 5 Since DCharler diameter installation12 5 Since DCha	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, while       Cable weigh     36 g/m       Material jacket     PUR       Shone hardness jacket     PUR       Shone hardness jacket     PUR       Outer diameter (stack)     4.5 mm       Outer diameter (stack)     4.5 mk       Outer diameter (stack)     5 %       Material ameter (stack)     5 %       Material wire insulation     1.25 mm       Outer diameter titerance core insulation     1.25 mm       Outer diameter titerance core insulation     7.0 5 Shore D       Ingredient treeness wire insulation     1.25 Shore D       Ingredient treeness wire insulation     1.85 %       Schore hardness wire insulation     1.95 % hore       Material direct (wire)     0.34 mm²       Canduct crosssection (wire)     0.34	Cable identification	634
Type of Certificate     cURus       Amount stranding     1       Stranding     4 wices twisted       wire arrangement     brown, black, blue, white       Cable weigh     58.3 g/m       Material jacket     PUR       Strone hardness jacket     90.5 Shore A       Freedom from ingedients (tacket)     4.5 mm       Colar-andere (jacket)     4.5 mm       Colar-andere (jacket)     4.5 mm       Colar-andere (jacket)     4.5 mm       Colar-andere (jacket)     1.25 mn       Outer diameter invalation     1.25 mn       Conductor programs wire invalation     1.0 MP       Conductor programeter invalat	Cable Type	3
Amount stranding   1     Stranding   4 wires transperson     Wrie arrangement   brown, black, ble, whte     Cable weight   36.3 g/m     Material jackat   PUR     Stranding jackat   90 ± 5 Shore A     Freedom from ingredients (jacket)   4.5 mm     Outer-diameter (jacket)   1 5 %     Material jackat   90 ± 5 Shore A     Freedom from ingredients (jacket)   1 5 %     Material weir insulation   PP     Amount wires   4     Outer diameter (jacket)   1 25 mm     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   10 ± 5 %     Shore hardness wire insulation   10 ± 5 %     Mount strands (wire)   42     Diameter to lense vice insulation   18 ± %     Shore hardness wire insulation   18 ± 10 ± 000000000000000000000000000000	Jacket Color	black
Stranding     4 wire strwited       wire arrangement     brown, black, blew, white       Cable weigh     36,3 ym       Material jacket     PUR       Shore hardness jackot     90.1 5 Shore A       Freedom from ingredents (jacket)     lead-free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance ouler diameter (jacket)     4.5 fm       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70.5 Shore D       Ingredient freeness wire insulation     1.25 mm       Outer diameter insulation     70.5 Shore D       Ingredient freeness wire insulation     1.26 mm       Outer diameter insulation     1.26 mm <	Type of Certificate	cURus
wire arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Material jacket     PUR       Shore hardness jacket     90.5 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, allicone-free       Outer diameter (jacket)     1.5 %       Tolerance outer diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     1.5 %       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.26 mm       Outer diameter insulation     1.27 mm       Outer diameter insulation     1.27 mm       Outer diameter insulation     1.27 mm       Outer diameter insulation     1.28 mm       Outer dinseacone insulation     0.1 mm </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Gable weight     36.3 g/m       Material jacket     PUR       Shore hardness jacket     90 1 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 (sealed)     4.5 %.       Material wire insulation     PP       Arnourt Wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70.4 5 Shore D       Ingredient freeness wire insulation     4.4       Conductor crosssection (wire)     0.34 mm <sup>2</sup> Conductor crosssection (wire)     0.34 mm <sup>2</sup> Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded cosper vire, bare       Conductor vire     Stranded cosper vire, bare       Conductor vire     Stranded cosper vire, bare       Conductor vire     Vire 4.8 A       Electrical resistance     10 N VDE 0298-4       Current load copacity rints. wire     2.5 kV @ 60 s       Power freque	Stranding	4 wires twisted
Naterial jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from 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     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     1.42 mm       Conductor crossection (wire)     4.2       Diameter of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm <sup>2</sup> Conductor crossection (wire)     0.34 mm <sup>2</sup> Conductor crossection (wire)     3.34 mm <sup>2</sup> Conductor rowsection (wire)     5.5 kW @ 80 s       Current load capacity (standard)     to DIN VDE 0289-4       Current load capacity (standard)     to DIN VDE 029	wire arrangement	brown, black, blue, white
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium free, CPC-free, halogen-free, silicone-free       Outer diameter (akehath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter wire insulation     1,25 mm       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     1,25 mm       Outer diameter sew insulation     10,4 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CPC-free, halogen-free, allicone-free       Amount wire     0,4 mm       Conductor type (wire)     0,34 mm <sup>2</sup> 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 CMm @ 20 °C       AC withstand voltage (wire - wite)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - gistard class 52 °C     2,5 kV @ 60 s       Power frequency withstand voltage (wire - wite)     2,5 kV @ 60 s       Power frequency withstand voltage (wire	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   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 <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor tograssection (wire)   0,34 mm <sup>2</sup> Current load capacity (standard)   to DIN VDE 0288-4     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 0280-4     Current load capacity (standard)   to DIN VDE 0280-4     Current load capacity (standard)   to DIN VDE 0280 °C     AC withstain vol	Material jacket	PUR
Outer-diameter (jacket)   4,5 mm     Tolerance outer diameter (jacket)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire 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   Stranded copper wire, bare     Conductor type (wire)   strande class 6     Nominal voltage AC max.   300 V     Current load capacity (stindard)   to DIN VDE 0298-4     Current load capacity (stindard)   to DIN VDE 0298-4 <t< td=""><td>Shore hardness jacket</td><td>90 ± 5 Shore A</td></t<>	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 Iolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   164 5 Shore D     Ingredient freeness wire insulation   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor rosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor rosssection (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 2,5 kV @ 60 s     Min- operating temperature (static)   -40 °C     Max operating temperature (static)   -40 °C     Max operating temperature (static)   -80 °C / 90 °C @ 10000 h Operation     Operating temperatur	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount Wries     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     2 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1e3 %       Shore hardness wire insulation     1e3 %       Ingredient freeness wire insulation     1e3 %       Diameter of single wires     0,1 mm       Conductor cossesction (wire)     0,34 mm <sup>2</sup> 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 C/Km @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - inflex)     4.0 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C	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 orsessection (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 - wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - 2.5 kV @ 60 s   S     Power frequency withstand voltage (wire - 2.5 kV @ 60 s   S     Power frequency withstand voltage (wire - 2.5 kV @ 60 s   S     Power frequency withstand voltage (wire - 2.5 kV @ 60 s   S     Derating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operati	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 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 toge (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 298-4       Current load capacity (standard)     to DIN VDE 298-4       Current load capacity min. wire     4.8 A       Electrical resistance line constant wire     57 Gkm @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - jackot)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Opperating temperature min. (dynamic)     60 °C /90 °C @ 10000 h Operation       UV resistance     UI 181 § 1009 I IEC 680322-22 I UL 1581 § 1100 FT2       c	Material wire insulation	PP
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 vires     Stranded copper wire, bare       Conductor (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor (yeive)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wint- wire)     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 (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     -25 °C       Operating temperature (static)     80 °C / 90 °C @ 100000 h Operation	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)   strant 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)   -40 °C     Operating temperature (static)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation <td>Outer diameter insulation</td> <td>1,25 mm</td>	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crossesction (wire)   0,34 mm <sup>2</sup> 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     Mix operating temperature (static)   -2.5 kV @ 60 s     Power frequency withstand voltage (wire - vire)   2.5 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating t	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 -   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     Gareiline resistance   Good, application-related testing     Oil resistance   Good, application-related testing IDIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (fixed)   5 x 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)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (mixed)   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 <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	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     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 (standard)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iscket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature max. (dynamic)   22 °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     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-relate	Amount strands (wire)	42
Material 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 min. wire4.8 AElectrical resistance line constant wire57 D/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - interpretation of the constant wire)2.5 kV @ 60 sNin. operating temperature (static)-40 °CMax. 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 4592-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testin	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 - ispected with a voltage (voltage ispected with a voltage (voltage ispected with a voltage (voltage ispec	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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 (iscd)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 testingDirectore (C-track)10 Nio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (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 wire57 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 (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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingTraversing distance (C-track)10 Mio. @ 25 °C<	Conductor type (wire)	strand class 6
Current 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) $2,5 kV @ 60 s$ Nin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating 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 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 °CNo. of torsion cycles2 Mio.Traversing distance3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress $\pm 180 °/m$	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   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     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.	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 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	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 no @ 25 °C10 N c Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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 testingNo. 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	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 testing IDIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending 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 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 testingOil 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	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 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     No. of torsion cycles   2 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 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	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 °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	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: 2024-05-18

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