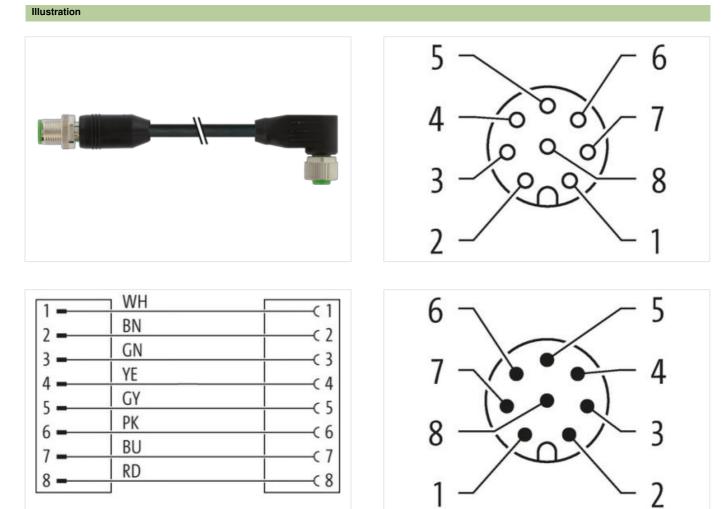


M12 male 0° / M12 female 90° A-cod.

PUR 8x0.25 bk UL/CSA+drag ch. 10m

Male straight – female 90° M12 – M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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.

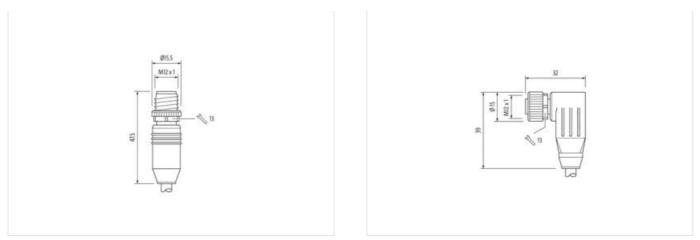
Link to Product



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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Product may differ from Image



Cable length	10 m
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879703345
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
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.
Installation Cable	
Cable identification	722
Cable Type	3

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Type of Certificate UPUsis Amount stranding 1 Stranding 8 wires around Core filter twisted Filter yes wires arounder muthy 58.3 g/m Material josket PUF Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (acket) 184 / res., cadmium free, CPC-free, halogen-free, allicone-free Outer-diameter (incket) 5 % Material josket 9 Outer diameter (incket) 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 mm <t< th=""><th>Jacket Color</th><th>black</th></t<>	Jacket Color	black
Stranding 8 wires around Core Iller twisted Filer yes wire arrangement brown, white, red, blue, pink, gray, yelow, green Gable weight 93.3 g/m Material jacket PUR Shore hardness jacket 90.4 5 Shore A Freedom from ingrodients (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.8 m Tolerance outer diameter (sheath) ± 5 %. Matterial twie insulation 1.2 mm Outer diameter (insulation 70.4 5 Shore D Tolerance outer insulation 1.2 mm Outer diameter toirance core insulation 70.4 5 Shore D Togetameter (insulation 1.2 mm Outer diameter insulation 1.4 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires 8 Outer diameter insulation 1.0 m, 25 Shore D Ingredient freeness wire insulation 10.4 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor rossection (wire) 0.25 mm ² Material conductor wire Strand class 6 Traversing distance (C+rack) 10 m @ 25 °C free, halogen-free, silicone-free Conductor type (wire) 2.5 kV @ 60 s <t< td=""><td>Type of Certificate</td><td>cURus</td></t<>	Type of Certificate	cURus
File yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weight 58.3 g/m Material jacket 90 ± 5 Shore A Freedom from ingroteents (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.8 mm Tolerance outer diameter (halonet) 1.5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Conductor crosssection (wire) 0.25 mm ² Material conductor wire Stranded coper wire, bare Conductor yer (wire) stranded coper wire, bare Conductor yer (wire) stranded coper wire, bare Construct roy (wire) stranded coper wire, bare Construct roy (wire) stranded coper wire, bare Construct roy (wire) stranded coper wire, bare	Amount stranding	1
wire anangement brown, while, rod, blue, pink, gray, yellow, green Cable weight 68.3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1ead free, cadmium free, CFC-free, halogen free, silicone-free Outer-diametic (jacket) ± 5 %. Material jacket PP Amount wires 8 Outer diametic navalation 1.2 mm Outer diametic navalation 1.2 mm Outer diametic navalation 70 ± 5 Shore D Ingredient freeness wire insulation 1.2 mm Outer diametic navalation 70 ± 5 Shore D Ingredient freeness wire insulation 1.2 mm Material sochuld (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0.25 mm² Material conductor wire Stranded copper wire, pare Conductor vive (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (strandard) to DIN VDE coses 4	Stranding	8 wires around Core filler twisted
Cable weight 58,3 g/m Material jacket PUR Shore hardness jakkt 90 5 Shore A Freedom from ingredients (jacket) lead free, cadmium free, CFC-free, halogen free, silicone free Outer-diameter (jacket) 5.8 mm Doter-diameter (jacket) 5.5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 70 1 6 Shore D Ingredient freeness wire insulation 1.2 mm Outer diameter insulation 1.2 mm Conduct or sisses wire insulation 1.2 mm Conductor resess wire insulation 1.2 mm Conductor visses wire insulation 1.2 mm Conductor visses wire insulation 1.2 mm Conductor visses wire insulation 1.0 mm Conductor visses wire insulation 1.0 mm Conductor visses wire insulation 1.0 mm Conductor type (wire) strand deas 6 Traversing distance (C+track) 1.0 m @ 25 °C [horitortal Normial voltage AC max. 300 V Current load capacity min.	Filler	yes
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead three, cadmium-free, CFC-free, halogen free, silicone-free Outer-diameter (jacket) 5.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 12 mm Outer diameter of single wires 0,1 mm Conductor or sessettion (wire) 32 Diameter of single wires 0,1 mm Conductor viscosettion (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor viscosettion (wire) 0,25 mm² Carrent load capacity (strandard) to ID NDE 0298-4 Current load capacity (winshard) 3 A Electrical resistance line constant wire 79 D/km @ 29 °C Min. operating temperature max. (dynamic) 2.5 kV @ 60 s Power tequency withstard voltage (wire - visc) 2.5 kV @ 60 s Power tequency withstard volta	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter trisulation 1.2 mm Outer diameter tolerance core insulation 1.2 mm Outer diameter tolerance core insulation 1.2 S Shore D Ingredient freeness wire insulation 16 S Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor wire Stranded cooper wire, bare Conductor wire Stranded cooper wire, bare Conductor wire Stranded cooper wire, bare Conductor type (wire) strant class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage (Wire wire) 2.5 KV @ 60 s Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Chm @ 20 °C <td>Cable weigth</td> <td>58,3 g/m</td>	Cable weigth	58,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5,8 mm Tolerance outer diameter (sheath) 2 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation 1.2 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor vipe (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voitage AC max. 300 V Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (wire) 2.5 kV @ 60 s Power frequency withstand voitage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Mina. opera	Material jacket	PUR
Outer diameter (acket) 5,8 mm Tolerance suter diameter (sheath) 1 5 % Matrial wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter insulation 1 5 % Shore hardness wire insulation 1 5 % Shore hardness wire insulation 1 5 % Ingredient freeness wire insulation 1 4 5 % Mount stands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm² Matrial zonductor wire Strand dcopper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 02 °C A	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (aheath) \pm 5 %Material wire insulationPPAnount wires8Outer diameter insulation1.2 mmOuter diameter lolerance core insulation \pm 5 %Shore hardness wire insulationTo \pm 5 % for DIngredient freeness wire insulation10 ± 5 %Diameter of single wires0.1 mmConductor travessection (wire)0.25 mm²Diameter of single wires0.1 mmConductor travessection (wire)0.25 mm²Conductor travessition (standard)10 m@ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wine - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - vire)2.5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h Operati	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter follorance core insulation 15 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 80 ± 5 % Diameter of single wires 0,1 mm Conductor crossection (wire) 0.25 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0284-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 0/km @ 20 °C AC withstand voltage (wire - vire) 2.5 kV @ 60 s Power focuency withstand voltage (wire - isolactor) 2.6 kV @ 60 s Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -50 °C @ 10000 h Operation	Outer-diameter (jacket)	5,8 mm
Amount wires 8 Outer diameter insulation 1.2 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) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (mire wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - xire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - xire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s 60 °C / 90 °C @ 10000 h Operation Operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Ot resistance IDK N 50 4482	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1.2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Impredient Treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.25 mm ^p Matrial conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage (wire - data capacity min, wire) 3.A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - alacket) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance ID N EN ISO 4392-2 A Flame resistance IEC 600332-22	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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current to acqueatity (standard) to DIN VDE 0298-4 Current to acqueatity (min. wire 3 A Electrical resistance line constant wire 79 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max operating temperature (static) -40 °C Max operature min. (dynamic) -25 °C Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4882-2 A Flame resistance	Amount wires	8
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) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 029-4 Current load capacity (standard) to DIN VDE 029-8 Rectrica resistance ince constant wire 7.0 km @ 20 °C AC withstand voltage (wire - ispace (statk) -40 °C Max. operating temperature (statk) -40 °C	Outer diameter insulation	1,2 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C 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 IEC 60332-2 I UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor vires 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VE 0298-4 Matistand 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)	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 win. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ise for 0 °C @ 10000 h Operation 2,5 kV @ 60 s Min. operating temperature (tstatic) -40 °C Max. operating temperature (static) -40 °C Max. 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 EleC 6032-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Dio	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - akie) 2,5 kV @ 60 s Min: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance IEC 60332-2-2 I UL 1581 § 1100 FT2 UL 1581 § 1090 c	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 - wire) 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 (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Glavel resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed)	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)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 min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 16091-1404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,25 mm ²
Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sMax. 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 000 th I application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mic. @ 25 °CNo. of torsion cycles2 Mio. </td <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 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 (ixed) 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 IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Gasoline resistance IO × Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of t	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C horizontal
Current load capacity min. wire 3 A Electrical resistance line constant wire 79 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 Nin. 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 IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 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 IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Min. @ 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 IEC 60322-22 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Current load capacity min. wire	3 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 IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ b0 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 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 resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 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 resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 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 Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 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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