

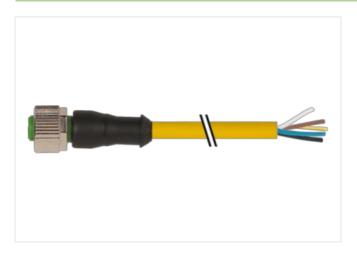
M12 female 0° A-cod. with cable

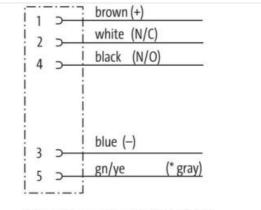
PUR 5x0.34 ye UL/CSA+drag ch. 3m

Female straight M12, 5-pole A-coded 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.

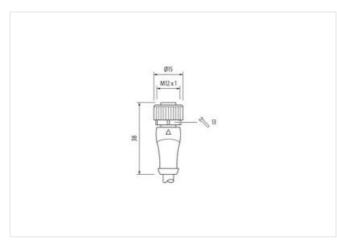
Link to Product

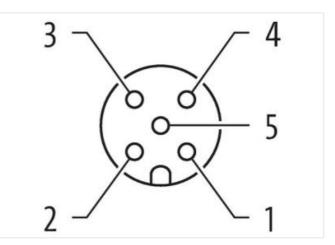






(* for cable type 126, 732, 219, 619, 729)





Product may differ from Image

3 m	
0,6 Nm	
inserted, screwed	
gold plated	
M12	
M12 x 1	
	0,6 Nm inserted, screwed gold plated M12

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879211642
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating of fitting	nickel plated
Material gasket	FKM
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Cable Type 3 Jacket Color yellow Type of Certificate cURus Annout stranding 1 Stranding 1 Stranding 5 wires around Care Iller twisted Filer yes wire arrangement brown, black, blob, white, green yellow No. of bending cycles (C+track) 10 Mio. @ 25 °C Cable weight 41.8 gm Madrela Jacket 90 ± 5 Shore A Freedem trom ingredients (jacket) 10 ± 5 Shore A Freedem trom ingredients (jacket) 4 mm Outer diameter (jacket) 4 S % Adversited wei jacket 5 % Cuter diameter insulation 25 % Annount wires 5 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.92 mm Canduct conserves wire insulation 1.92 S Nore D Ingredient free-reserve wire insulation 1.92 f S % Diameter of single wires 0,1 mm Conductor orsescection (wire) 9.4 f Amr ² <	Cable identification	035
Type of Certificate cURus Amount stranding 1 Stranding 5 were around Core filter twisted Filter yes wire arrangement brown, black, blue, white, green-yellow No. of banding syches (C-track) 10 Mo. @ 25 °C Cable weight 41.8 g/m Material jacket PUR Shore hardness jackat 90.1 5 Shore A Freedom from ingredients (jacket) 18ad free, camium-free, CPC-free, halogen-free, silicone-free Outer diameter (steath) 1.5 % Material jacket PP Amount wires 5 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 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 % Diameter of alsigle wires 0,1 mm Conductor rossection (wire) 0,34 mm ³ Materi	Cable Type	3
Amount stranding 1 Straining 5 wires around Core filler twisted Filler yes wire arrangement brown. black. blue, white, green-yellow No. of bending cycles (C-track) 10 blo.@ 25 °C Cable weight 41,8 g/m Material gackat PUR Shore hardness (acket) 10 ± 5 Shore A Freedom from ingredients (jacket) 4.8 mm Order-adimeter (jacket) 4.8 mm Order-adimeter (jacket) 4.8 mm Order-adimeter (jacket) 1.5 %. Material wire insulation PP Amount wires 5 Outer diameter insulation 1.28 mm Outer diameter insulation 1.28 mm Outer diameter insulation 1.28 mm Outer diameter wire insulation 1.0 m @ Amount strands (wire) 3.1 mm Conductor wires wire insulation	Jacket Color	yellow
Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Ne. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weight 41,8 g/m Material Jacket PUF Shore handness jacket 90 + 5 Shore A Freedon from ingredients (jacket) 4,8 mm Cuter-diameter (jacket) 4,8 mm Tolerance outer diameter (behatt) 4 5 % Cuter diameter (isoket) 4,5 mm Cuter diameter insulation PP Amount wires 5 Outer diameter insulation 70 + 5 % Shore hardness wire insulation 70 + 5 % Outer diameter insulation 125 rm Conduct crosssection (wire) 42 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Aderial conductor wire Stranded copper wire, bare	Type of Certificate	cURus
File yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weight 41.8 g/m Material jacket PUB Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium free, CPC free, halogen-free, silicone-free Outer diameter (jacket) 4.8 mm Tearance outer diameter (sheat) 1.5 % Material jacket S Outer diameter (jacket) 1.5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance occre insulation 1.25 mm Outer diameter tolerance occre insulation 1.25 mm Outer diameter tolerance occre insulation lead free, cadmium free, CFC free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of siligne wires 0.1 mm Conductor crossescien (wire) 0.34 mm² Conductor wire Stranded copper wire, bare Conductor wire Stranded sis fill Conductor wire Stranded dosper wire, bare	Amount stranding	1
File yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weight 41.8 g/m Material jacket PUB Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium free, CPC free, halogen-free, silicone-free Outer diameter (jacket) 4.8 mm Tearance outer diameter (sheat) 1.5 % Material jacket S Outer diameter (jacket) 1.5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance occre insulation 1.25 mm Outer diameter tolerance occre insulation 1.25 mm Outer diameter tolerance occre insulation lead free, cadmium free, CFC free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of siligne wires 0.1 mm Conductor crossescien (wire) 0.34 mm² Conductor wire Stranded copper wire, bare Conductor wire Stranded sis fill Conductor wire Stranded dosper wire, bare	Stranding	5 wires around Core filler twisted
wire arrangement brown, black, blue, white, green-yellow No. di berding cycles (C-track) 10 Mio. @ 25 °C Cable weigh 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,8 mm Tolerance outer diameter (jacket) 4,8 mm Cluer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Conductor consection (wire) 4,2 mm Diameter of single wires 0,1 mm Conductor rossection (wire) 0,34 mm² Material conductor wire Strand class 6 Traversing distance (C+track) 10 m @ 25 °C horizontal Current Load capacity (standard) 10 D W DE 208-4 Current Load capacity (standard) 50 V Power frequency withst		Yes
Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 92,5 Shore A Freedom from ingredients (jacket) Lead free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) 4,5 % Material wire insulation PP Amount wires 5 Outer diameter risulation 1,25 mm Outer diameter insulation 70,5 % Shore hardness wire insulation 70,5 % Shore hardness wire insulation 70,5 % Shore hardness wire insulation 70,5 % Shore instructures wire insulation 70,5 % Material conductor rossection (wire) 0,34 mm ² Material conductor rossection (wire) 0,34 mm ² Conductor rossection (wire) 0,5 % Conductor wire S A Electrical resistance (inc constant wire 57 Q/km @ 20 °C Nominal voltage power (Ar mas. 300 V <	wire arrangement	brown, black, blue, white, green-yellow
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (jacket) 1.5 % Material wire insulation PP Amount wires 5 Outer diameter (jacket) 1.25 mm Outer diameter tolerance ore insulation 1.25 mm Outer diameter tolerance ore insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor respection (wire) 0,24 mm² Traversing distance (C+track) 10 m @ 25 °C (Invisontal Current load capacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 029 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Mix. operating temperature (istac) 40 °C	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheat) 2.5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1.25 mm Outer diameter tolerance core 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, silicone-free Amount stands (wire) 42 Dameter of single wires 0,1 mm Conductor crossection (wire) 0.34 mm² Material conductor wire Strand cooper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-tack) 10 m @ 25 °C horizontal Current load capacity (standard) to IN VDE 0296.4 Current load capacity (standard) to IN VDE 0296.4 Current load capacity min. wire 4.5 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Nominal voltage power (Kareax) 3	Cable weigth	41,8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 5 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 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orssescion (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (strandard) 300 V Power frequency withstand voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (stace) -40 °C Min. operating temperature (stace) -40 °C Min. operating temperature (stace) 80 °C / 90 °C @ 10000 h Operation <t< td=""><td>Material jacket</td><td>PUR</td></t<>	Material jacket	PUR
Outer-diameter (acket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter (solution) ± 5 % Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor trossection (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 2/km @ 20 °C Nominal voltage power (wire - wire) 2,5 kV @ 60 s Kd. withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (kixed) 40 °C / 90 °C @ 10000 h Operation Operating temperature (kixed) 40 °C / 90 °C @ 10000 h Operation	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 \pm 5 Shore DIngredient freeness wire insulationiead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 C/km @ 20 °CNominal voltage power AC max.300 VPower frequency withistand voltage power2,5 kV @ 60 sMin. operating temperature (static).40 °CMax. operating temperature (static).25 °COperating temperature (static).26 °C 90 °C @ 10000 h OperationOperating temperature (static).25 °COperating temperature min. (dynamic).25 °C 00000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDipolication-related testingGasoline resistanceDipolication-related testingGood, application-related testingS outer diameterBending radius (fixed)5 x	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter folerance 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 Traversing distance (C-track) 10 m @ 25 °C (horizontal Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity withstand voltage power 2,5 kV @ 60 s Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Ac outhstand voltage power (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 Querating temperature (static) -40 °C	Outer-diameter (jacket)	4,8 mm
Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter folerance 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 Traversing distance (C-track) 10 m @ 25 °C (horizontal Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity withstand voltage power 2,5 kV @ 60 s Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Ac outhstand voltage power (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 Querating temperature (static) -40 °C		
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient Treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vorsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0290 °C <		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 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor cosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current toad capacity (standard) to DIN VDE 028-4 Power frequency withstand voltage power 57 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (fked) 80 °C / 90 °C @ 10000 h Operation Operating temperature (statc) -25 °C Opera	Amount wires	5
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C		
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 rosssection (wire) 0.34 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature (static)	Shore hardness wire insulation	70 ± 5 Shore D
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature (static)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (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 max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Filame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 [Good, application-relat	Amount strands (wire)	
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - iacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s 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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 te		0.1 mm
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2.5 kV @ 60 s AC withstand voltage power (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 min. (dynamic) -25 °C Operating temperature min. (dynamic) 5 °C (@ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 §		·
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sKire - 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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		
Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		
Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Power frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
(wire - jacket) 2.5 kV @ 60 s AC withstand voltage power (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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		300 V
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		80 °C / 90 °C @ 10000 h Operation
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25