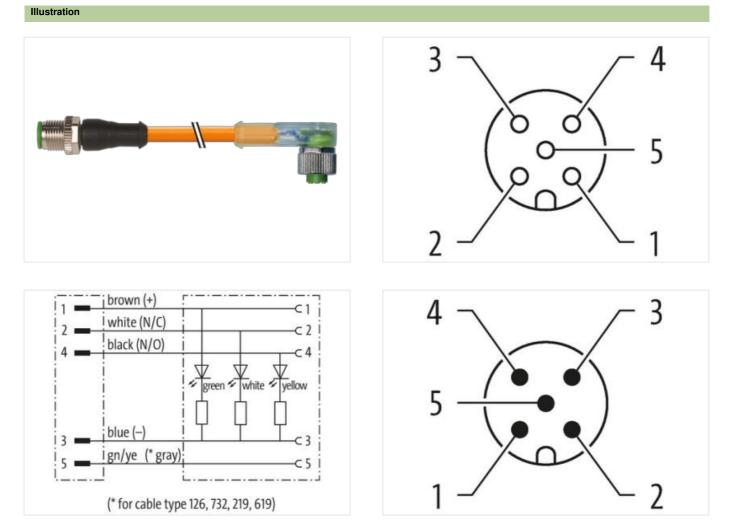


M12 male 0° / M12 female 90° A-cod. LED

PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 4m

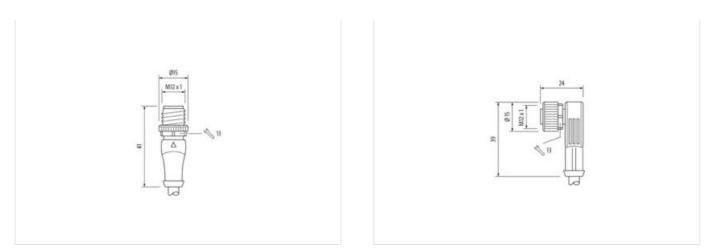
Male straight – female 90° Zinc die casting, save-cover coated M12 – M12, 5-pole 3× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested 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: 2024-06-25





Product may differ from Image



Cable length	4 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	А
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	А
Material	PUR
No. of poles	5
Width across flats	SW13
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

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: 2024-06-25



4048879542531	
1	
24 V	
18 V	
30 V	
30 V	
4 A	
green, white, yellow	
M12 x 1	
inserted, screwed	
3	
0,8 kV	
safe-cover coated	
nickel plated	
Zinc die-casting	
Zinc die-casting	
inserted, screwed, Shaking protection	
-25 ℃	
85 °C	
depending on cable quality	
Protect the connectors by quitable measures from mechanical leads of a by the years of cable tice	
Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
endangered by excessive bending forces.	
DIN EN 61076-2-101 (M12)	
brown, black, blue, white, green-yellow	
852	
5	
Hybrid, Signal, Power	
orange	
cURus	
5 wires around Core filler twisted	
yes	
brown, black, blue, white, green-yellow	
46,2 g/m	
PUR 58 ± 3 Shore D	
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
5,2 mm	



Material vior includionPPOuter diameter internation vior includion1.25 mmOuter diameter internation vior includion7.4 ± 35 lone DSome hardness vier includion7.4 ± 35 lone DImprover internation vior includion7.4 ± 35 lone DImprover includion vior9.3 mmConductor crossection (vior)0.34 mm²Conductor crossection (vior)9.4 mmConductor vior sessection (vior)1.4 mmTelerator vior includion (Power)1.4 mmTelerator vior includion (Power)1.6 cOuter diameter virio includion (Power)1.6 cTelerator vior includion (Power)1.6 cTelerator vior includion (Power)1.6 cTelerator vior includion (Power)1.6 cDiameter virio includion (Power)1.6 cDiameter virio includion (Power)1.6 cDiameter virio includion (Power)0.2 mmMaterial conductor virio (Power)0.2 mmMaterial conductor virio (Power)0.2 mmMaterial conductor virio (Power)0.5 mmMaterial virio (Power)0.5 MCorrect data capacity (Imm Ameter)0.5 ACorrect data capacity (Imm Ameter)8.5 ACorrect data capacity (Imm Ameter)8.5 ACorrect data capacity (Imm Ameter)8.5 ACorrect data capacity (Tolerance outer diameter (sheath)	±5%	
Outer diameter insulation 1,25 mm Outer diameter insulation 74 3 Shore D Shore hardness wire insulation 74 3 Shore D Impression in solution 74 3 Shore D Annout itarination (wire) 42 Dameter of single wires 0,14 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Strand class 6 Conductor type (wire) strand class 6 Material wire insulation (Power) PP Other diameter wire insulation (Power) 14 mm Tolerance outer diameter wire insulation (Power) 45 % Shore hardness wire insulation (Power) 14 mm Tolerance outer diameter on insulation (Power) 14 mm Tolerance outer diameter straing wire insulation (Power) 16 Diameter of single wires (Power) 16 Diameter of single wires (Power) 55 mm ² Material conductor wire (Power) Single diameter on insulation (Powere)	Material wire insulation	PP	
Outer diameter tolerance sore insulation ± 5 %. Shore handness wire insulation 74 ± 3 Shore D Impredient feerees wire insulation 44 ± 3 Shore D Dameter of single wires 0.34 mm² Conductor crossection (wire) 0.34 mm² Conductor wire Stranded coper wire, bare Conductor vire insulation (Power) PP Outer diameter wire insulation (Power) PP Outer diameter wire insulation (Power) 14 mm Tearance outer diameter wire insulation (Power) 14 mm Tearance outer diameter wire insulation (Power) 14 Shore D Impredient fraemess wire insulation (Power) 15 % Shore hardness wire insulation (Power) 16 Dameter of single wires (Power) 0.2 mm Wire conductor cross section (Power) 0.3 mm² Material conduct wire (Power) Standel coper wire, bare Consult types wire (Power)	Amount wires	4	
Shore hardness wire insulation 74 ± 3 Shore D Ingredient Treeness wire insulation Ibad-tree, cadmium-free, CPC-free, halogen-free, silicone-free Dameter of single wires 0,1 mm Conductor crosssection (wire) 0.34 mm³ Material conductor wire Stranded copper wire, bare Conductor vacessection (wire) 9.4 mm³ Material conductation rive Stranded copper wire, bare Conductor wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation (Power) 4.5 % Shore hardness wire insulation (Power) 74.3 Shore D Ingredient treeses wire insulation (Power) 1.6 Damater of single wires (Power) 1.6 Damater of single wires (Power) 0.2 mm Wire conductor yoses wire insulation (Power) 0.5 mm³ Material conductor wire (Power) 0.5 mm³ Conductor type wire (Power) 0.5 mm³ Material conductor wire (Power) 0.5 mm³ Conductor type wire (Power) 0.5 mm³ Material conductor wire (Power) 0.5 mm³ Corrent Load capacity min. wire (Power) 0.5 mm³ Corrent Load capacity (standard)	Outer diameter insulation	1,25 mm	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) PP Outer diameter wire insulation (Power) PP Outer diameter wire insulation (Power) 74:3 Shore D Tearance outer fameter wire insulation (Power) 1.4 mm Toerance outer fameter wire insulation (Power) 14:5 % Shore hardness wire insulation (Power) 74:3 Shore D Ingredient Teaness wire insulation (Power) 16 Dameter of single wires (Power) 0.5 mm ² Meterial conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare	Outer diameter tolerance core insulation	±5%	
Arnourt strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossescion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) eitrand class 6 Material wire insulation (Power) PP Outer diameter wire insulation (Power) PP Cater diameter wire insulation (Power) 74:3 Shore D Ingredient Henesses wire insulation (Power) 16 Diameter of single wires (Power) 16 Diameter of single wires (Power) 0,2 mm Wire conductor cross section (Power) 0,5 mm² Material conductor wire (Power) 0,5 mm² Material conductor wire (Power) 0,5 mm² Material conductor wire (Power) Strand copper wire, bare Conductor lype wire (Power) Strand copper wire, bare Conductor wire (Power) Stran Current cod cap	Shore hardness wire insulation	74 ± 3 Shore D	
Diameter of single wires 0,1 mm Conductor crossection (wire) 0.34 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) PP Conductor type (wire) 1.4 mm Tolerance polter diameter wire insulation (Power) 1.4 mm Tolerance polter diameter wire insulation (Power) 1.4 mm Tolerance polter diameter wire insulation (Power) 1.4 Amount wires (Power) 1 Amount wires (Power) 1 Amount wires (Power) 1 Miterial conductor wire (Power) 0.2 mm Wire conductor coss section (Power) 0.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Concluctor yre (wire) strand class 6 Material wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation (Power) 1.6 Diameter of single wires (Power) 1.6 Diameter of single wires (Power) 0.5 mm ² Material conductor wire (Power) 5 strand class 5 Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 028e-4 Current load capacity (min. wire (Power) 6.8 A Electrical resistance line constant wire 60 0.km @ 20 °C Electrical resistance outing wire (Power + 30 0.km @ 20 °C 2.5 kV @ 60 s Max. operating temperature (tinker) 4.5 K	Amount strands (wire)	42	
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 74.3 Shore D Ingredient fleenoses wire insulation (Power) 1 Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of singe wires (Power) 0,2 mm Wire conductor ross saction (Power) 0,5 mm? Material conductor wire (Power) 0,5 mm? Material conductor wire (Power) 0,5 mm? Corrent cold agacity (standard) to IN VDE 0298.4 Current load capacity (standard) to IN VDE 0298.4 Current load capacity (standard) to IN Wire 020° C AC withstand voltage (wire - wire) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - wire) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - wire) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - wire) 2,5 kV Ø 60 s Coparating t	Diameter of single wires	0,1 mm	
Conductor type (wire) strand class 6 Material wire insulation (Power) PP Outer diameter wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation (Power) 45 % Shore hardness wire insulation (Power) 413 Shore D Ingredient treaness wire insulation (Power) 143 Shore D Amount strand xine (Power) 16 Dameter of single wires (Power) 0.5 mm ² Material conductor wire (Power) 0.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A Current load capacity min. wire 4,5 A Current load capacity min. wire (Power) 5 KW @ 60 s Power rougney withstand voltage (wire - wire) 2,5 KV @ 60 s Power rougney withstand voltage (wire - wire) 2,5 KV @ 60 s Min. oparating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperatur	Conductor crosssection (wire)	0,34 mm ²	
Material wire insulation (Power) PP Outer diameter wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation 1.5 % Shore hardness wire insulation (Power) 74:3 Shore D Ingredient Treeness wire insulation (Power) 1 Amount wires (Power) 1 Amount wires (Power) 1 Dameter of single wires (Power) 0.2 mm Wire conductor cross section (Power) 0.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Current load capacity (min. wire 4,5 A Current load capacity (min. wire 6,8 A Electrical resistance coating wire (Power) 39 Q/m @ 20 °C Cave tristand voltage (wire - wire) 2,5 kV @ 60 s Rin. operating temperature (static) 40 °C Min. operating temperature (mix) 40 °C Mins coprating temperature (mix) 80 °C /	Material conductor wire	Stranded copper wire, bare	
Outer diameter wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation 45 % Shore hardness wire insulation (Power) 743 Shore D Ingredient freeness wire insulation (Power) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount vires (Power) 1 Amount vires (Power) 16 Diameter of single wires (Power) 0.5 mm ² Miter conductor cross section (Power) 0.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Current load capacity min. wire 45 A Current load capacity min. wire 45 A Current load capacity min. wire (Power) 39 DKm @20 °C Ac 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 (static) -28 °C	Conductor type (wire)	strand class 6	
Tolerance outer diameter wire insulation (Power) ±5 % Shore hardness wire insulation (Power) 143 Shore D Ingredient freeness wire insulation (Power) 1 Amount strands wire (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) 0.2 mm Wire conductor cross section (Power) 0.5 mm² Material conductor wire (Power) Strande copper wire, bare Conductor type wire (Power) Strande copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN WE 029°C AC withstand voltage (wire - vire) 2.5 KV @ 60 s Power frequency withstand voltage (wire - vire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C </td <td>Material wire insulation (Power)</td> <td colspan="2">PP</td>	Material wire insulation (Power)	PP	
(Power) 25 % Shore hardness wire insulation (Power) 7443 Shore D Ingredient Treeness wire insulation (Power) 1 Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) 0,2 mm Wire conductor cross section (Power) 0,5 mm ² Material conductor wire (Power) Strand dopper wire, bare Conductor vire (Power) Strand dopper wire, bare Conductor vire (Power) Strand dosper wire, bare Conductor vire (Power) Strand dosper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire / wire) 6.8 A Electrical resistance locating wire (Power) 39 Ω/km @20 °C Electrical resistance locating wire (Power) 39 Ω/km @20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature mix (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature mix (dynamic)	Outer diameter wire insulation (Power)	1,4 mm	
Ingredient freeness wire insulation (Power) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands wire (Power) 1 Amount strands wire (Power) 0.2 mm Wire conductor cross section (Power) 0.2 mm Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (inin, wire 4.5 A Current load capacity (min, wire (Power) 38 Ar Electrical resistance line constant wire 60 D/km @ 20 °C Electrical resistance unity (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2.5 kV @ 60 s Power faguency withstand voltage (wire - iacket) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static)		±5 %	
Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) 0.2 mm Wire conductor cross section (Power) 0.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current capacity (standard) to DIN VDE 0298-4 Current capacity grandard) to DIN VDE 0298-4 Current carrying capacity min. wire 4.5 A Current carrying capacity min. wire (Power) 58.4 A Electrical resistance ine constant wire 60 0.4 km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - ine) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Fame resistance UL 1581 § 1090 IEC 60332.2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing O	Shore hardness wire insulation (Power)	74±3 Shore D	
Amount strands wire (Power)16Diameter of single wires (Power)0.2 mmWire conductor cross section (Power)0.5 mm³Material conductor wire (Power)Stranded copper wire, bareConductor type wire (Power)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.5 ACurrent carrying capacity min. wire60 0.4 m @ 20 °CElectrical resistance line constant wire60 0.4 m @ 20 °CAC withstand voltage (wire -vire)2.5 kV @ 60 sPower frequency withstand voltage (wire -2.5 kV @ 60 sPower frequency withstand voltage (wire -2.5 kV @ 60 sMin. operating temperature (static)40 °CMix operating temperature (static)40 °CMix operating temperature (static)40 °CGazeling temperature (static)-25 °COperating temperature (static)40 °CFlame resistanceUL 1581 § 1000 HOperationOperating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature (static)5 x Outer @ 10000 h OperationGasoline resistanceGood, application-related testingGil coling (strice)5 x Outer diameterBending radius (fixed)5 x Outer diameterBending radius (strice)10 x Outer diameterNo. of bending cycles (C-track)5 m @ 25 °CNo. of bending cycles (C-track)5 m @ 25 °CNo. of bending cycles (C-track)5 m @ 25 °CNo. of b	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Diameter of single wires (Power) 0,2 mm Wire conductor orcs section (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 0/km @ 20 °C Electrical resistance coating wire (Power) 39 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 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) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance	Amount wires (Power)	1	
Wire conductor cross section (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 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 carrying capacity min. wire 4.5 A Current carrying capacity (standard) 60 20/km @ 20 °C Electrical resistance ine constant wire 60 20/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - ison 2,5 kV @ 60 s 2.5 kV @ 60 s Power frequency withstand voltage (wire - ison 2,5 kV @ 60 s 2.5 kV @ 60 s 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) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Fiame resistance Good, application-related testing Oli resistance Good, application-related testing Oli resistan	Amount strands wire (Power)	16	
Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current Load capacity min. wire 4.5 A Current carrying capacity min. wire (Power) 6.8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 2.5 kV @ 60 s Power frequency withstand voltage (wire - income and the experiment of the experiment	Diameter of single wires (Power)	0,2 mm	
Conductor type wire (Power)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current carrying capacity min. wire4.5 ACurrent carrying capacity min. wire (Power)6.8 AElectrical resistance ine constant wire60 Ω /km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - 2.5 kV @ 60 sPower frequency withstand voltage (wire - 2.5 kV @ 60 sMin. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60322-22 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (kixed)5 x Outer diameterNo. of bending oycles (C-track)1 M ∞ @ 25 °CNo. of torsion cycles1 Mio.Traversing distance (C-track)5 m @ 25 °CNo. of torsion cycles1 Mio.Torsion stress \pm 360 °/m	Wire conductor cross section (Power)	0,5 mm ²	
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire 60 0/km @ 20 °C Electrical resistance ine constant wire 60 0/km @ 20 °C Electrical resistance coating wire (Power) 39 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 <td< td=""><td>Material conductor wire (Power)</td><td colspan="2">Stranded copper wire, bare</td></td<>	Material conductor wire (Power)	Stranded copper wire, bare	
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent carrying capacity min. wire (Power)6,8 AElectrical resistance line constant wire60 Ω/km @ 20 °CElectrical resistance coating wire (Power)39 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 (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °CGasoline 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)5 m @ 25 °CTravel speed (C-track)5 m @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Conductor type wire (Power)	Strand class 5	
Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C 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 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 Oli resistance Good, application-related testing No. of bending cycles (C-track) 10 Nio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C <t< td=""><td>Nominal voltage AC max.</td><td colspan="2">300 V</td></t<>	Nominal voltage AC max.	300 V	
Current carrying capacity min. wire (Power) 6.8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 v Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4	
Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 100 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 Di x Outer diameter Bending radius (fixed) 5 x Outer diameter Electrical meter Bending radius (dynamic) 10 X Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C	Current load capacity min. wire	4,5 A	
Electrical resistance coating wire (Power) 39 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 Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal Traversing distance (C-track) 5 m @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Current carrying capacity min. wire (Power)	6,8 A	
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 Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Nio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Electrical resistance line constant wire	60 Ω/km @ 20 °C	
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 Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Nio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C No. of torsion cycles 1 Mio. Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °	Electrical resistance coating wire (Power)	39 Ω/km @20 °C	
jacket)2.5 N @ 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi x Outer diameterDi x Outer diameterNo. of bending cycles (C-track)5 m @ 25 °CTraversing distance (C-track)5 m @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	AC withstand voltage (wire - 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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 × Outer diameter Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m		2,5 kV @ 60 s	
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame 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)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Min. operating temperature (static)	-40 °C	
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame 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)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
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 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/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 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/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)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m			
Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	chemical resistance		
Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Gasoline resistance	Good, application-related testing	
Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Oil resistance		
No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Bending radius (fixed)		
Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Bending radius (dynamic)	10 x Outer diameter	
Travel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	No. of bending cycles (C-track)	10 Mio. @ 25 °C	
No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Traversing distance (C-track)	5 m @ 25 °C horizontal	
No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C	
	No. of torsion cycles	1 Mio.	
Torsion speed 35 cycles/min	Torsion stress	± 360 °/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: 2024-06-25