

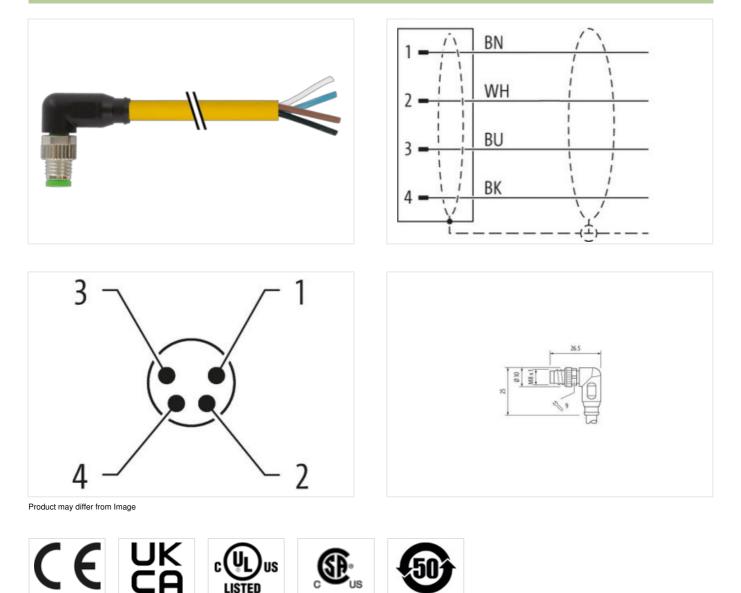
M8 male 90° A-cod. with cable

PUR 4x0.25 ye UL/CSA+drag ch. 5m

Male 90° M8, 4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration



Cable length	5 m	
Side 1		
Tightening torque	0,4 Nm	



Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal \emptyset)	6,5 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879232166
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed) Current operating per contact max.	30 V 4 A
	48
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 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 locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
mation in this Product-PDF has been compiled with th	

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: 2024-05-11

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi



Alter of berning radiu Attention: Clearer true permissible bending radii when laying cables, as the IP protection datas can be encloargered by excessive bending fores. Contornity Product standard DN IN 101762-104 (MR) Tabilation (Clearer true) Cable Cable Cable identification 031 Cable identification Cable identification Cable identification UNI NN 10762-104 (MR) Cable identification Cable identification Cable identification UNI NN 10762-104 (MR) Cable identification Cable identification Cable identification UNI NN 1000000000000000000000000000000000	Additional condition temperature range	depending on cable quality
Able on bending radiu Attendion: Chearev the permissible bending radii when laying cables, as the IP protoction diass can be entropyed by excessive bending forces. Contornity Product standard DN IN 01076-2-104 (MR) Installation (Cable) Installation (Cable) Installation (Cable) Cable identification 031 Cable (Cable Cable) Installation (Cable) Cable identification 031 Cable (Cable Cable) Installation (Cable Cable) Cable identification 091 Cable (Cable Cable) Installation (Cable Cable) Installation (Cable Cable) Type of Cablication 0100 @ 23 °C (Instance) Installation (Cable Cable) Installation (Cable Cable) Installation (Cable Cable) Type of Cable (Cable) 100 @ 23 °C (Instance) Installation (Cable Cable) Installation (Cable Cable) Installation (Cable Cable) Stream (Cable Cable) 02 & 5 Shore A Foreodom (Cable Cable) Installation (Cable) Installation (Cable) Installation (Cable) Installation (Cable) Installation (Cable Cable) Installation (Cable Cable) <thinstallation (cable="" cable)<="" th=""> Installat</thinstallation>	Important installation notes	
defangencies because is bearding forces. advances of beaces in bearding forces. Product standard Product standard Product standard Standard Standard	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DNEN 61078-2·104 (M8) Installation [Cable Cable identification 031 Cable identification 031 Cable	Note on bending radius	
Institution (Cable Cable inferition 0.01 Cable inferition 0.01 Cable Type 3 Jackat Cobr yellow Type of Carlinate URus Anount stranding 1 Stranding 4 wires twisted wire arrangement Down, Back, Duo, witte Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 33 g/m Matural jackat PUR Shore hardness jackat 90 ± 5 Shore A Freedom tim mignedimeti (jacket) 18ad Free, cardinum-free, CFC-free, halogen-free, silicone-free Older diameter (jacket) 4.5 mm Order diameter (jacket) 4.5 Sm Older diameter insulation PP Anount wins 4 Outer diameter insulation 12 5 mm Outer dinameter insulation<	Conformity	
Cable identification031Cable Type3Jackel CoiryellowType of CafficatecuPusArnout Strading1Traversing distance (C-track)10 m Q2 5°C horizontalCable weight33 g/mCable weight33 g/mMaterial jacketPUHShore hardness jacket90 5°C horizontalCable weight03 g/mMaterial jacket90 5°C horizontalCable weight05 5 Shore AFroedom from ingradients (jacket)10 ag 2°C horizontalCable weight5 5 Shore AFroedom from ingradients (jacket)10 ag 7°C horizontalCable weight5 5 %Froedom from ingradients (jacket)5 %Cable and the insulation12 5° mColar diameter (sheath)15 %Material wei insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Carler diameter (sheath)10 00 VCarler diameter (sheath)10 00 V<	Product standard	DIN EN 61076-2-104 (M8)
Cable identification031Cable Type3Jackel CoiryellowType of CafficatecuPusArnout Strading1Traversing distance (C-track)10 m Q2 5°C horizontalCable weight33 g/mCable weight33 g/mMaterial jacketPUHShore hardness jacket90 5°C horizontalCable weight03 g/mMaterial jacket90 5°C horizontalCable weight05 5 Shore AFroedom from ingradients (jacket)10 ag 2°C horizontalCable weight5 5 Shore AFroedom from ingradients (jacket)10 ag 7°C horizontalCable weight5 5 %Froedom from ingradients (jacket)5 %Cable and the insulation12 5° mColar diameter (sheath)15 %Material wei insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Carler diameter (sheath)10 00 VCarler diameter (sheath)10 00 V<	Installation Cable	
Gable Type 9 Jackel Color yellow Jackel Color yellow Type of Cartificate URus Amount stranding 1 Stranding 4 wiess twisted wier arragement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C. [Indizontal Cable weigh 33 g/m Matoral jackat 90 ± 5 Shore A Freadom Irom impredients (jacket) 4.5 mm Tolarnano culor dimater (sineath) 4.5 % Otter dimater (sineath) 4.5 % Material vise insulation PP Amount vise 4 Outer dimater (sineath) 1.5 % Shore hardness wire insulation 1.25 mm Outer dimater time insulation 1.25 fm Durar dimater strands (wire) 3.2 Dimater of singly wires 0.1 mm Conductor type wire Strand Copper wire, bare Conductor type (wire) Strand Capper wire, bare Conductor type (wire) Strand Capper wire, bare Conductor tropsesection (wire) Strand Capper wire, bar	·	021
Jackat Color yellow Type of Certificate cLRus Anount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Travensing distance (C-track) 10 m @ 25 °C horizontal Cable weight 33 g/m 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 (inceket) ± 5 %. Material jacket PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Conductor crosssection (wire) 32 Diameter of singlis wires 0,1 mm Conductor wire Stranded copper wire, bare Outer diameter insulation 0,25 mm ⁵ Material conductor wire Stranded copper wire, bare		
Type of Cartificatie cURus Amount stranding 1 Stranding 4 wrest twislad wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredientis (jacket) 4.5 mm Tolerance outer diamoter (facket) 1.5 %. Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter outer insulation 1.25 mm Outer diameter outer insulation 1.25 mm Outer diameter outer insulation 1.45 % Diameter of single wires <		
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, wirle Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 33 g/m Material jacket PUR Shore hordness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 163 °K m Outer diameter (lacket) 4.5 mm Tolerance outer diameter (sheath) 1 5 %. Material jacket PP Amount wires 4 Outer diameter isolation 1.25 rm Outer diameter isolation 1.25 rm Outer diameter isolation 1.25 Shore D Ingredient teeneses wire insulation 1.94 5 Shore D Ingredient teeneses wire insulation 1.94 5 Shore D Ingredient teeneses wire insulation 1.94 5 Shore D Ingredient teeneses wire insulation 1.92 Smm ² Conductor pressection (wire) 0.25 mm ² Conductor rule Stranded copper wire, bare Conductor rule Stranded copper wire, bare Conductor rule Stranded copper wire, bare Conductor rule Stramed dass 6 <td></td> <td>-</td>		-
Stranding 4 wires twisted wire arrangement brown, black, blou, white Travening distance (C-track) 10 mg 25 °C horizontal Cable weight 33 g/m Material jacket PUR Shore hardness jackat 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheat) 4.5 % Material wree insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Canductor yer 0.25 mm ² Dameter of single wires 0.1 mm Conductor crossection (wire) 0.25 mm ² Conductor yer Stranded copper wire, bare Conductor yer Stranded copper wire, bare Conductor yer (wire) 3.2 A Current toad capapatry (stranderm) to DI N VDE 0294-4 </td <td></td> <td></td>		
wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C [horizontal Cable weigh 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,5 mm Tolerance outor diameter (jacket) 4,5 mm Tolerance outor diameter (jacket) 4,5 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm ² Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm ² Conductor rype (wire) strand class 6 Nominal vottage AC max. 300 V Corrent load capacity (standard) 10 DN VDE 298-4 <td< td=""><td></td><td></td></td<>		
Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 33 g/m Material jocket 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) 4.5 mm Tolerance outer diameter (silexet) ± 5 % Material invie insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Normal vitands (wire) 32 Diameter of single wires 0.1 mm Conductor romsees wire insulation 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 0.25 mm² Conductor romsees dion (wire) 0.0 V		
Cable weigh 33 g/m Material jacket PUR Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter toularder (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 124 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 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current toad capacity (strandard) to DIN VDE 0298-4 Current toad capacity (strandard) to DIN VDE 0298-4 Current toad capacity (wire wire) 2,5 kV Ø 60 s Power frequency withstand voltage (wire - wire) 2,5 kV Ø 60 s		
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) 4.5 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (jacket) 1.25 mm Outer diameter tolerance ore insulation 1.25 mm 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 wiess 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded cose Current load capacity (min. wire 3.6 A Electical resistance 0.7 90 °C @ 10000 h Operation Coperating temperature (static) 40 °C Max. op		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Shore hardness wire insulation 70 ± 5 Shore D Norus trands (wire) 32 Diameter of single wires 0.11 mm Canductor rossection (wire) 0.25 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 3.6 A Electrical resistance line constant wire 79 D/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - last) % 0 °C / 90 °C @ 10000 h Operation Poerating temperature min. (dynamic) 42 °C Operating temperature min. (dynamic)		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Materia Wrei insulation PP Amount Wres 4 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 122 mm Outer diameter (wire) 32 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor vire (wire) 0,25 mm ³ Conductor vire (wire) stranded copper wire, bare Conductor vire (wire) stranded copper vire, bare Conducto	-	
Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 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 wiresescloin (wire) 0.25 mm² Conductor wire Strand dess 6 Nominal voltage AC max. 300 V Current load capacity min. wire 3.6 A Electrical resistance line constant wire 7.9 Ωkm @ 20 °C AC withstand voltage	,	
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 126 The Shore D Ingredient freeness wire insulation 122 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Electrical resistance line constant wire 7.9 L/kW @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. oper		
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter follerance 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DVM @ 20 °C Ac withstand voltage (wire - iacktow 36 A Electrical resistance 80 °C / 90 °C @ 10000 h Operation <		
Amount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)stranded copper wire, bareCurrent load capacity (strandard)to DIN VDE 0298-4Current load capacity (wire-wire)2,5 kV @ 60 sPower frequency withstand voltage (wire- iacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationCharatorGood, application-related testingGasoline resistance	· · · · · · · · · · · · · · · · · · ·	
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossescion (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to INI VDE 0298-4 Current load capacity (standard) to INI VDE 0298-4 Current load capacity (standard) to INI VDE 0298-4 Current load capacity (standard) to INI VDE 029-7C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - size at the si		
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation 70 ± 5 Shore DIngredient freeness wire insulation $16a \pm 76e$, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) 32 Diameter of single wires $0,1 mm$ Conductor crosssection (wire) $0,25 mm^2$ Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $3,6 A$ Electrical resistance line constant wire $79 \Omega km @ 20 ^\circ C$ AG withstand voltage (wire - wire) $2,5 kV @ 60 s$ Power frequency withstand voltage (wire - $2,5 kV @ 60 s$ Max. operating temperature (static) $-40 ^\circ C$ Max. operating temperature (fixed) $80 ^\circ C / 90 ^\circ C @ 10000 h$ OperationOperating temperature max. (dynamic) $-25 ^\circ C$ Operating temperature max. (dynamic) $80 ^\circ C / 90 ^\circ C @ 10000 h$ OperationChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood		
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 crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to INI VDE 0298-4 Current load capacity (standard) to INI VDE 0298-4 Current load capacity (standard) to INI VDE 0298-4 Current load capacity wink- wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Nin. 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) -25 °C Inare resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing	Outer diameter insulation	·
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 crossection (wire) 0,25 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2,5 kV @ 60 s Row thistand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Min. operating temperature (istatic) 40 °C Max operating temperature (istatic) 40 °C Max operating temperature (istatic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-22 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, applicatio	Outer diameter tolerance core insulation	
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - isck)2,5 kV @ 60 sPower frequency withstand voltage (wire - isck)2,5 kV @ 60 sAc withstand voltage (wire - isck)-40 °CMax. operating temperature (istatic)-40 °CMax. operating temperature (istatic)-40 °CMax. operating temperature (istatic)-25 °COperating temperature (istatic)-25 °COperating temperature (istatic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationElactionar resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius	Shore hardness wire insulation	
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - iscket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFilame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (fixed)10 × Outer diameterTravel speed (C-track)10 Mine, 92 ° °CNo. of torsin cycles	Ingredient freeness wire insulation	
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298.4Current load capacity min. wire3,6 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 sPower frequency withstand voltage (wire - jacket)40 °CMax. operating temperature (static)-40 °CMax. operating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (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 resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Nio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		32
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 0/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating 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 resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		·
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 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 sMin. operating temperature (static)-40 °CMax. operating temperature (ixed)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 resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingIn ravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 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 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationChemical resistanceUL 1881 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceG	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 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 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor type (wire)	strand class 6
Current load capacity min. wire3,6 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 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 resistanceS x Outer diameterTravel speed (C-track)10 Mio. @ 25	Nominal voltage AC max.	300 V
Electrical 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 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 resistance <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	3,6 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTavel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline 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 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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi v Outer diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	jacket)	
Operating 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 resistanceGood, application-related testingDil resistanceGood, application-related testingDi x Outer diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	
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 resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testing DIN EN 60811-404Bending 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)	
Flame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical 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 diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	
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 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
Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending 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	
Oil resistance Good, application-related testing DIN EN 60811-404 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	
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 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)	
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: 2024-05-11

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi



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: 2024-05-11

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi