

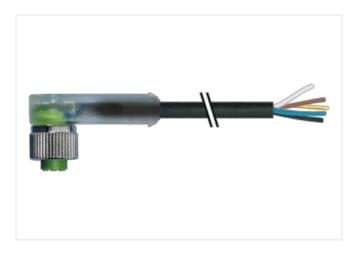
M12 female 90° A-cod. with cable LED

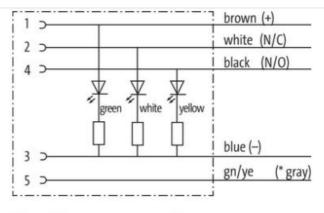
PUR 5x0.34 bk UL/CSA+drag ch. 5m

Female 90° M12, 5-pole 3× LED (PNP) 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.

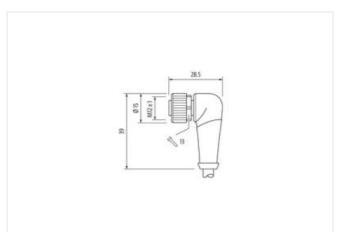
Link to Product

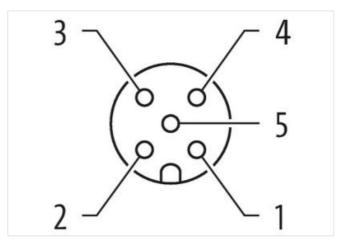






(* for cable type 126, 732, 219, 619)





Product may differ from Image



5 m

0,6 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-04

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



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-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	4048879637121
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Installation Connection	
·	M12 x 1
Mounting set	MIZXI
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

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: 2024-05-04

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



Conformity

Installation (Gabe Cable Instruction 647 Cable Type 3 Jacker Color Black Type of Conffication 64/A Amount stranding 1 Stranding 5 wires around Core Iller twisted Filer yes wire arrangement brown, black, blue, white, green-yellow Tarvarraing distance (C-rack) 5 m (# 25 ° 1 hartontal) Cable weight 44.55 µm Material jackat 90 1 5 Store A Freuscen from ingradients (jackal) 80 4 7 so; cachinum freus, silicone free Cubre diameter (jackal) 5.6 mm Cable weight 4.5 S ym Material wein insulation 90 1 5 Store A Freuscen from ingradients (jackal) 5.6 mm Cable diameter (insulation 1.6 S mm Cabler diameter insulation 1.4 S m Cabler diameter insulation 1.4 S m Cabler diameter insulation 4.5 % Store fandress wei insulation 4.5 % Diameter or single weiss 0.1 mm Cabler diameter insulation 4.5 mm	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wise around Core filler twisted Filler yes Taversing distance (C-track) 5 m (# 25 °C) [horizontal Cable weigh 44.55 g m Material jacket 90 ± 5 Shore A Freedom from ingredient (jacket) 16 ± 5 Shore A Freedom from ingredient (jacket) 12 6 % Material jacket 90 ± 5 Shore A Freedom from ingredient (jacket) 12 6 % Material wite insulation PP Amount wins 5 Outer diameter travalation 1.5 % Shore harchness wire insulation 1.45 mm Outer diameter travalation 1.5 % Shore harchness wire insulation 1.5 % Shore harchness wire insulation 1.5 % Shore harchness wire insulation 1.5 mm Outer diameter travalation 1.65 % Shore harchness wire insulation 1.65 mm Ingredient freeness wire insulation 1.65 mm	Installation Cable	
Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wise around Core filler twisted Filler yes Taversing distance (C-track) 5 m (# 25 °C) [horizontal Cable weigh 44.55 g m Material jacket 90 ± 5 Shore A Freedom from ingredient (jacket) 16 ± 5 Shore A Freedom from ingredient (jacket) 12 6 % Material jacket 90 ± 5 Shore A Freedom from ingredient (jacket) 12 6 % Material wite insulation PP Amount wins 5 Outer diameter travalation 1.5 % Shore harchness wire insulation 1.45 mm Outer diameter travalation 1.5 % Shore harchness wire insulation 1.5 % Shore harchness wire insulation 1.5 % Shore harchness wire insulation 1.5 mm Outer diameter travalation 1.65 % Shore harchness wire insulation 1.65 mm Ingredient freeness wire insulation 1.65 mm	Cable identification	647
Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wices around Core filler twisted Filler yes wire arrangement brown, black, blue, while, green yellow Traversing distance (C-rack) 5 m @ 25 °C [noizontal Cable weigh 44.55 g/m Material jacket PUR Shore handhess jacket 0 1 5 Shore A Freedom from ingredents (acket) 164 free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.5 mm Tolerance outer diameter (sheath) 1.5 % Material wis installion PP Amount wires 5 Outer diameter installion 1.4 5 mn Outer diameter installion 1.6 % Material wis installion 1.6 % free, CEF free, halogen-free, silicone-free Targedint free-site installion 1.6 % Material orient installion 1.6 % Material conductor weinstallion 1.6 % Conductor yeas wire installion 1.6 % Material conductor weinstallion 1.6 % <td></td> <td></td>		
Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core Iller twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-rack) 5 m @ 25 °C horizontal Cable weight 44.55 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5 0 ± 5 Shore A Outer diameter (jacket) 5 5 % Outer diameter (jacket) 5 5 % Outer diameter insulation PP Amount wires 5 Outer diameter insulation 1.45 rm Outer diameter insulation 1.45 rm </td <td></td> <td></td>		
Annount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 5 m @2 5° C1 horizontal Cable weigh 44,55 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC free, halogen free, sillcone free Outer-diameter (jacket) 5.6 mm Tolerance outer dameter (shard) 1.5 % Material packet 5 Outer diameter insulation 1.45 mm Outer diameter insulation 1.45 mm Outer diameter insulation 1.5 % Material prevines 5 Outer diameter insulation 1.62 f.5 Shore D Ingredient freeness wire insulation 1.62 f.5 Shore D Ingredient freeness wire insulation 1.62 f.5 Shore D Ingredient freeness wire insulation 1.62 f.5 Shore D Conductor roys expective free 0.1 mm Conductor roys expective free 0.0 mm Conductor r		
Stranding 5 wires around Core tiller twisted Filer yes wire arrangment brown, black, blue, white, green-yellow Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 44,55 g/m Material jackst PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredents (jacked) lead free, cadmium-free, CFC free, halogen-free, sillcone-free Outer-diameter (jacked) 5,6 m Tolerance outer diameter (shearth) 1 5 % Material yeick 5 Shore A Outer diameter insulation PP Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter insulation 65 ± 5 Shore D Ingredent freeness wire insulation 164 *ree, cadmium-free, CPC-free, halogen-free, sillcone-free Amount stands (wire) 42 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm? Material conclustor wire 600 V Current load capach (mixwire) 6 kV @ 60 s Power frequency withstand voltage (wire-wire) 6 kV @ 60 s </td <td></td> <td></td>		
Filter yes wire arrangement brown, black, blue, white, green-yellow Travorsing distance (C+Tack) 5 m @ 25 °C horizontal Cable weight 44.55 g/m Matterial jacket PUR Shore hardness jacket 90 5 Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 5.6 m Tolerance outer diameter (sheath) ± 5 % Material wrie insulation PP Amount wries 5 Outer diameter insulation 1.45 mm Outer diameter insulation 65 t 5 Shore D Tolerance outer insulation 65 t 5 Shore D Ingrodim freeness wire insulation 65 t 5 Shore D Ingrodim freeness wire insulation lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter dinglo wires 0.1 mm Conductor type (wire) strand class 6 Norminal voltage AC max. 600 V Current load capacity (mn. wire) 45 A Electrical resistance line constant wire 60 Q/km@ 20 °C		· · · · · · · · · · · · · · · · · · ·
wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 5 m Ø 25 °C (I horizontal) Cable weigh 44.55 g/m Material jackot PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jackot) 15 Å fore A Freedom from ingredients (jackot) 5.6 mm Tolerance outer diameter (jacket) 5.6 mm Tolerance outer diameter (jacket) 5.6 mm Tolerance outer diameter (jacket) 5.6 mm Outer diameter isolation 1.45 mm Outer diameter tolerance core insulation 1.45 mm Outer diameter tolerance core insulation 1.45 mm Outer diameter forance core insulation 1.45 mm Conductor coreacescition (wire) 0.34 mm² Material conductor wires 0.1 mm Conductor coreacescition (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor vises 0.1 mm Conductor vises 0.0 V Current load capacity (standard) to DIN VDE 0238-4 Current load capacity (standard) to DIN VDE 0238-4<		
Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigh 44.55 g/m Matarial jackat PUR Shore hardness jackat 90 ± 5 Shore A Freedom from ingredients (jackat) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jackat) ± 5 % Material jackat PUR Tolarance outer diameter (sheath) ± 5 % Material jackat PP Anount wise 5 Outer diameter insulation 1.45 mm Outer diameter insulation 6.5 5 Shore D Shore hardness wire insulation 6.5 5 Shore D Ingredient freeness wire insulation 1.65 - 5 Shore D Ingredient freeness wire insulation 1.63 - 5 Shore D Ingredient freeness wire insulation 1.64 - 7 Fee, cadmium-free, CFC-free, halogen-free, silicone-free Anount strands (wire) 4.2 Dameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded cosper 4 Current to ad capacity (strandard) to DIN VDE 0298-4 Current		
Gable weight 44.55 g/m Material jacket PUR Shore hardness jackel 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.6 mm Dolarone outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1.45 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.45 mm Outer diameter insulation 1.45 mm Gabre bardness wire insulation 1.45 mm Outer diameter insulation 1.45 mm Gabre bardness wire insulation 1.45 mm Outer diameter insulation 1.45 mm Conductor traces wire insulation 1.45 mm Gabre bardness wire insulation 1.45 mm Ordnets straces wire insulation 1.47 mm Conductor traces wire insulation 0.4		
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tom ingredients (jacket) 5.6 mm Outer diameter (jacket) 5.6 mm Tolerance outer diameter (jacket) 5.6 mm Material wire insulation PP Amount wires 5 Outer diameter (location) 1.45 mm Outer diameter (location) 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 1.45 mm Outer diameter (location) 42 Diameter of single wires 0,1 mm Conductor rossescition (wire) 0.34 mm² Material conductor wire Strand class 6 Conduct type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity min. wire 45 A Electrical resistance line constant wire 60 D/km @ 60 s Power focuancy withstand voltage (wire - wire) 6 kV @ 60 s Power focuancy withstand voltage (wire - in (dynamic) -25 °C Operating temperature (fixed) 90 °C UV resistance		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter insulation 1,45 mm Outer diameter insulation 65 ± 5 Shore D Ingredent freeness wire insulation 165 ± 5 Shore D Ingredent freeness wire insulation 142 Diameter of single wires 0.1 mm Conductor orsessection (wire) 0.24 mm ² Material conductor wire Stranded copper wire, bare Conductor orsessection (wire) 0.34 mm ² Conductor wire Stranded copper wire, bare Conductor tropsection (wire) strand class 6 Nominal voltage (wire - wire) 6 NV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-1 Ac withstard voltag		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.6 mm Tobranco outer diameter (jeheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1.45 mm Outer diameter insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 64 ± 2 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm? Material conductor wire Stranded copper wire, bare Conductor vire) strande dass 6 Nominal voltage AC max. 600 V Current load capacity min. wire 4.5 A Electrical resistance line constant wire 66 V/ Ø 60 s Power frequency withstand voltage (wire ·········) 6k V/ Ø 60 s Power frequency withstand voltage (wire ········) 6k V Ø 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Min. operating temperature (static) -40 °C		-
Outer-diameter (jacket) 5,8 mm Tolerance outer diameter (sheath) 4.5 % Material vire insulation PP Amount vires 5 Outer diameter insulation 1,45 mm Outer diameter insulation 1,45 mm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 6.5 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount vires 0,14 mm² Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor vires Stranded copper wire, bare Conductor lype (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) ID IN VDE 0298-4 Current load capacity (standard) ID IN VDE 0298-4 Current load capacity (standard) ID IN VDE 0298-4 Current load capacity (wint) 6 kV @ 60 s Power frequency withstand voltage (wire - incelee standowine - incele codo32.2 × 10	-	
Tolerance outer diameter (sheath) \pm 5 %Material vice insulationPPAmount wires5Outer diameter insulation1.45 mmOuter diameter insulation \pm 5 %Shore hardness wire insulation $65 \pm$ 5 Shore DIngredient freeness wire insulationlead-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 6Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire) $6 kV @ 60 s$ Power frequency withstand voltage (wire - isolation) $90 °C$ Operating temperature (static) $-40 °C$ Max. operating temperature (static) $90 °C$ Operating temperature (static) $5 \times Outer diameterElsectinceGood, application-related testingOuter diameterGood, application-related testingOuter diameterGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related t$		
Material wire insulation PP Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter iolerance core insulation ± 5 % Shore hardness wire insulation 66 ± 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 wire Stranded copper wire, bare Conductor wire Strande copper wire, bare Conductor wire Strande copper wire, bare Conductor wire 600 V Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 X/@ @ 0 °C Operating temperature (static) -40		
Amount wires 5 Outer diameter insulation 1.45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 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 rossescition (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Min: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -25 °C Op		
Outer diameter insulation 1.45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 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 vissection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DXm @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (s		
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation 65 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) 42 Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 NV @ 20 °CAC withstand voltage (wire - lacket)6 kV @ 60 sPower frequency withstand voltage (wire - lacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CQuerating temperature min. (dynamic)90 °COperating temperature min. (dynamic)90 °CUV resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGood, application-related testingGood, application-related testingGood, application-related testing5 NOuter diameterTravel speed (C-track)5 NOuter diameterTravel speed (C-track)5 Min. @ 25 °CNo. of torsion cycles2 Min.Parking resistanceGood, application-related testingGasoline resistanceGood, application-related testing		
Shore hardness wire insulation 65 ± 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 rossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor torsesection (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Querating temperature (static) -40 °C Max. operating temperature (static) -90 °C Operating temperature (static) -90 °C Operating temperature (static) -90 °C Operating temperature (static)<		
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 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 4.5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacker) 6 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature (max. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-22 [U L 1581 §		
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor yire)strand class 6Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0296-4Current load capacity min. wire4.5 AElectrical resistance line constant wire60 0/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sNax. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)-40 °COperating temperature (tstatic)90 °CUV resistanceElecto322-22 UL 1581 § 1100 FT2 UL 1581 § 1090Flame resistanceIEC 60332-22 UL 1581 § 1000 FT2 UL 1581 § 1090Otherwisel resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood,		
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (win- wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) -40 °C Max. operating temperature (tixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance G		
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V 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 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 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) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance		
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/m @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing / DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ±	-	·
Conductor type (wire)strand class 6Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire60 0/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDin Cuter diameterTravel speed (C-track)Travel speed (C-track)5 Min. @ 25 °C </td <td></td> <td>·</td>		·
Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2:2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chenical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing IDN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.		
Current load capacity min. wire4,5 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		to DIN VDE 0298-4
Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Div x Outer diameter Bending radius (fixed) 5 x Outer diameter S Noi. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		
AC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
Power frequency withstand voltage (wire - jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDin S N Outer diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
jacket)0 KV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin senseS × Outer diameterBending radius (fixed)5 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
Max. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil 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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		6 KV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDix FaceGood, application-related testingOil resistanceGood, application-related testingDix FaceGood, application-related testingOil resistanceGood, application-related testingDix FaceGood, application-related testingDix FaceGood, application-related testingDix FaceSouter diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin stress5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	0° 00
UV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (chrack)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature max. (dynamic)	0° C
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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance 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) 5 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) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track)5 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)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	5 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: 2024-05-04

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