

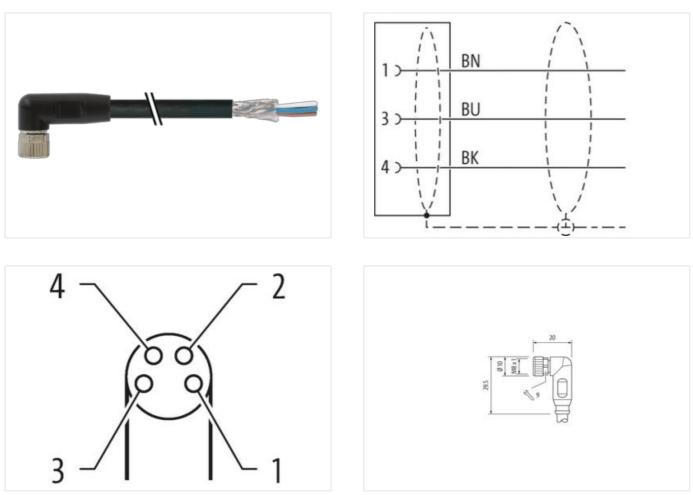
M8 female 90° A-cod. with cable shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 20m

Female 90° M8, 3-pole shielded with cable sleeves Further cable lengths 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.

Link to Product





Product may differ from Image



20 m

0,4 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: 2024-06-26

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



Mounting method	inserted, screwed M8
Family construction form	
hread	M8 x 1
uitable for corrugated tube (internal Ø)	6,5 mm PUR
Naterial Vidth across flats	SM8
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	4048879505888
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)	30 V
Current operating per contact max.	4 A
	*^
Installation Connection	
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)	
Mechanical data Material data	
	NP-L-1-4
Coating locking	Nickeled
Coating of fitting	nickel plated
_ocking 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.	-25 °C 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.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)

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: 2024-06-26

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



Cable isolitication 640 Cable Type 3 Locket Color black Type of Cartificate CPUse Amount stranding 1 Stranding Stranding Cable shinding (type) cooper braid, timed Cable shinding (type) downard Cable shinding (type) for anotic time arrite shinding Cable shinding (type) for anotic time arrite shinding Cable shinding (type) for anotic time arrite shinding Cable shinding (type) for a forabit time insulation Cable shinding (type) for a forabit time insulation Cable shinding (type) for a forandit time insulation Cable shi	wire arrangement	brown, black, blue
Cable Type 9 Jackel Color Black Type of Cartificate cUPus Annout Stranding 1 Stranding 3 wisse Wisted Cable shelding (type) copper brind, funned Cable shelding (type) 80 % Banding Pieces, Foil Wrie atraggement Brown, Baak, blue Cable shelding (type) 44 g/m Material jacket 90 ± 5 Shore A Freeson from ingradients (jacket) 90 ± 5 Shore A Freeson from ingradients (jacket) 1 ± 5 % Material jacket 90 ± 5 Shore A Freeson fourd cameler (short) 5 m Oder diamater insulation 1 ± 5 % Material wire insulation 1 ± 5 % Outer diamater insulation 1 ± 5 % Store tharbares wire insulation 1 ± 5 % Store diangle wires 0 1 mm	-	
Jacket Color black Type of Certilicate culfus Amount stranding 1 Stranding Swinsb Weikel Cable shelding (coverage) 60 % Banding Piece, Foll wire arrangement bown, black, blue Cable shelding (coverage) 80 % Share all packet PLB Share all packet PLB Share all packet 94 % 5 Shore A Freedom from ingredingts (gacket) 64 % free, carinium-free, CFC-free, halogen free, silicone free Outer diameter (gacket) 5 m Toleranco culer diameter (salext) 5 % Shore hardingts in inclusion PP Amount strands (win inclusion) 1.25 mn Outer diameter tolerance core inaulation 1.5 % Shore hardingtes win insulation 1.25 mn Outer diameter tolerance core inaulation 1.25 mn Outer diameter tolerance core inaulation 1.25 mn Outer diameter tolerance core inaulation 1.25 free Shore harding wins 0.14 mm ⁻¹ Cardinator bree winsulustion 1.25 % Cove D		
Type of Certificatio cURus Arround Stranding 1 Stranding 3 wise stutted Cable shelding (type) coppor braid, finand Cable shelding (type) 89 % Banding Fleece, Foll wire a trangement bown, btad, blue Cable shelding (type) 94 5 Strore A Fleecon from ingredients (jacket) 94 5 Strore A Fleecon from ingredients (jacket) 1es 4 Strore A Fleecon from ingredients (jacket) 5 Strore A Cuter diameter insulation 1 2 S % Material wire insulation 1 2 S Strore D Fleerender freeness wire insulation 1 4 S % Store adverses wire insulation 1 4 S % Daneet drafts wire insulation 1 4 S % Daneet drafts wire insulation 1 4 S % Daneet draft insulation 1 2 S thore D Intradient freeness wire insulation 1 4 S % Daneet drafts wire shell		
Amount Standing 1 Stranding 3 wires twisted Cable shielding (type) copper braid, finned Cable shielding (coverage) 80 % Bandring Floore, Foll wire arrangement brown, black, blue Cable weight 44 g/m Material jacket 92 5 Store A Freedom from fingedionts (jacket) 91 5 Store A Freedom from fingedionts (jacket) 1 6 % Material vice insulation PP Amount vices 3 Outer -dimeter (plocket) 5 mm Tolarance outer diameter (plocket) 5 mm Outer -dimeter insulation 1.25 mm Outer dimeter (plocket) 70 ± 5 Store D Ingradient treasarties wire insulation 70 ± 5 Store D Ingradient treasarties wire insulation 70 ± 5 Store D Ingradient treasarties wire insulation 70 ± 5 Store D Ingradient treasarties (wire) 0.4 mm² Conductor type		
Stranding 3 wires twiatad Cable abelding (type) copper braid, timed Cable abelding (type) 00 % Banding Fleece, Foll wire arrangement Down Labe, thule Cable weight 44 g/m Material jacket DUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (glacket) Isad-tree, cadmium-free, CFC-tree, halogen-free, silicone-free Outer diameter (glacket) 5 % Material wei instalation PP Amount wires 3 Outer diameter (sheath) 1 25 mm Outer diameter insulation 1 25 % Material wei instalation 70 ± 5 Shore D Disore hardness wire insulation 1 25 mm Outer diameter (sheath) 1 25 % Material wei instalation 70 ± 5 Shore D Ingrodient freeness wire insulation 1 25 mm Outer diameter (sheath) 1 25 mm Outer diameter (sheath) 1 25 mm Outer diameter of single wires 0 1 mm Conductor corsessection (wire) 0 34 mm² Mater		
Cable shielding (type) copper braid, finned Cable shielding (coverage) 80 % Bandring Floece, Foll wire arrangement brown, black, blue Cable weight 44 q/m Material jackot PUR Share hardness jacket 90 5 5 Shore A Freechn from ingredents (gacket) 180 A Fore A Tolerance outer diameter (backht) 5 % Amount wiss 3 Outer diameter insulation 125 mm Outer diameter insulation 102 for D From Introfess wire insulation 102 for Shore D Conductor type wire insulation 102 for Shore D Conduct diameter insulation 102 for marker wire insulation Conduct or type wire insulation 103 for D Conduct diameter insulation 104 for more insulation Conter tinsulascapacity (stincation) 0.1 mm		3 wires twisted
Cable shelding (coverage) 80 % Banding Fibeco, Fol wire arrangement brown, black, blue Cable weight 44 g/m Material jacket PUF Shore hardness jacket 80 ± 5 Shore A Freedom from ingredents (acket) lead-tree, cadmium-ree, CPC-tree, halogen-free, silicone-free Outer diameter (lacket) 5 m Outer diameter (lacket) 5 % Matarial wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 7.9 ± 5 Shore D Ingredient freeness wire insulation 7.9 ± 5 Shore D Ingredient freeness wire insulation 7.9 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Outer diameter lock wire insulation 1.25 mm Outer diameter solution 9.4 Shore D Ingredient freeness wire insulation 1.25 mm Outer diameter solution 9.4 Free- North Stand Koll 0.04 mm² Material solution 0.04 mm² Mouter fasolacoxpore insulation 0.1 mm		
Banding Fleace, Foil wire intragement brown, black, blue Cable weigh 44 g/m Material jacket PUR Shore hardness jacket 80 ± 5 Shore A Freedom from ingrodients (jacket) bat-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Telerance outer drameter (health) 5 % Material wire insulation PP Anount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredent freenes wire insulation 70 ± 5 Shore D Conductor crosssection (wire) 0.34 mm ² Conductor crosssection (wire) 0.34 mm ² Conductor crosssection (wire) 0.34 mm ² Conductor wire Stranded copper wire, bare Conductor wire		
Wire arangement brown, black, blue Cable weight 44 g/m Material jacket PUF Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) be 5 Shore A Outro diamoter (jackot) 5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket 90 ± 5 Shore A Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingresient freeness wire insulation 162 Shore D Ingresient freeness wire insulation 163 Shore D Ingresient freeness wire insulation 10 Shore D Ingresient freeness wire insulation 10 Shore D Ingresient freeness wire insulation 10 Shore Conductor cro		
Cable weight 44 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 (jacket) 5 mm Tolerance suiter diameter (health) 5 % Material wire insulation PP Amount wires 3 Outer diameter (insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter weir insulation 1.25 mm Outer diameter weir insulation 1.42 mm Diameter of single wires 0,1 mm Conductor researces weir insulation 1.01 Mm Conductor viree Stranded copper wire, bare Conductor vipe (wire) strand class 6 Normal vitage AC max. 300 V Current load capacity (standard) to DIN VDE D298-4 Current load capacity (standard) to DIN VDE D298-4 Current load capacity (standard)		
Material jacket PUR Shore hardness jacket 90 15 Shore A Freedom from ingrolents (jacket) 6 Jack-rec, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 % Shore hardness wire insulation 1.25 % Shore hardness wire insulation 1.26 % Conduct crassections (wire) 42 Diameter ol single wires 0.1 mm Conductor vires exections (wire) 0.34 mm ³ Material conductor wire Standed copper wire, bare Conductor vires exections (wire) 0.01 N VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 2 kV @ 60 s AC withstand voltage (wire - sileid) 2 kV @ 60 s Curent load capacity (wire wire) 2 kV @ 60		
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 % Material wre insulation PP Amount wires 3 Outer diameter (shealth) ± 5 % Material wre insulation 1,25 mm Outer diameter (shealth) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation 1 = 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 0,1 mm Conductor tyre wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Manuer al strands (wire) 0,34 mm ³ Conductor tyre wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Conductor tyre (wire) 0,34 mm ³ Conductor tyre (wire) 0,44 mm ³ Conductor tyre (wire) 0,44 mm ³ Conductor tyre (wire) stranded copper wire, bare Conductor tyre (wire) stranded cosper wire, bare Conductor tyre (wire		
Predom from lagradients (jacket) lead-free, cadmium-free, CPC-free, halogen-free Outer-diameter (jacket) 5 mm Telerance outer diameter (sheath) ± 5 % Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,26 mm Ingredient freeness wire insulation 1,24 mm ² Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor vige (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE (298-4 Current load capacity (standard) to DIN VDE (298-4 <t< td=""><td>-</td><td></td></t<>	-	
Outer dameter (jacket) 5 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.65 % Shore hardness wire insulation 16.5 % Amount Stands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0.34 mm³ 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 0286-4 Current load capacity wint.wire 6 A Electrical resistance line constant wire 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequenziture (istaic) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature mix. (dynamic) 28 °C Operating temperat	-	
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 5 % Shore hardness wire insulation 70 ± 5 Shore D Impredient treeness wire insulation 70 ± 5 Shore D Impredient treeness wire insulation 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 voitage AC max. 30 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max.operating tem		
Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.26 fmr Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0.34 mm² Material conductor wire Strand 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 (stand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed		
Amount wires 3 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 stands (wire) 42 Dameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (stinadard) to DIN VDE 0298-4 Current load capacity (stinadard) to VIM @ 00 * Q kV @ 60 s <		
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Impredient 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 crossection (wire) 0,34 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 copper 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) 2 kV @ 60 s AG withstand voltage (wire - vire) 2 kV @ 60 s AG withstand voltage (wire - shield) 2 kV @ 60 s Min. oporating temperature (tixed) 40 °C Max - operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation UV resistance UN 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance UL 1581 § 1100 FT2 UL 1581 § 1090		
Outer diameter tolerance core insulation \pm 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0.34 mm ² 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 0288.4 Current load capacity (wire - wire) 2 KV @ 60 s Power frequency withstand voltage (wire - inter) 2 kV @ 60 s Power frequency withstand voltage (wire - inter) 2 kV @ 60 s Min. operating temperature (fixel) 26° C 90 °C 0 Max. operating temperature (fixel) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixel) 80 °C / 90 °C @ 10000 h Operation VI resistance DIN EN ISO 4492-2 A Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing <td></td> <td></td>		
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor cosssection (wire) 0,34 mm ² 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) 2 kV @ 60 s Ac withstand voltage (wire - wire) 2 kV @ 60 s Ac withstand voltage (wire - wire) 2 kV @ 60 s Ac withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Querating temperature (static) -40 °C Parameture min. (dynamic) -25 °C Operating temperature (static) -40 °C Flame resistance DIN EN ISO 4892-2 A		
Ingredient 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)stranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0286.4Current load capacity (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - site)2 kV @ 60 sAC withstand voltage (wire - site)2 kV @ 60 sMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892.2 AFlame resistanceUI ESI § 1000 J IEC 60332.2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOII r		
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 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)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - acket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature (static)-26 °COperating temperature (static)-25 °CChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistance <td< td=""><td></td><td></td></td<>		
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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire) 6 A Electrical resistance line constant wire) 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 40 °C 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Vir esistance DIN EN ISO 4892-2 A Fiame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil r		
Conductor crossection (wire) 0,34 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 Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -60 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance U L 1581 § 1100 FT2 U L 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related		
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)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingOil resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingDire resi		
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 (standard)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (tixed)2 kV @ 60 sMax. operating temperature (tixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (tixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (tixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <td></td> <td>•</td>		•
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGil resistanceGood, application-related testingOil resistanceS Mio. @ 25 °C		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - acceleration of the standard standard)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)5 m @ 25 °CTraversing distance (C-track)5 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterBending radius (fixed)5 m@ 25 °CTraversing distance (C-track)5 m@ 25 °CTraversing distance (C-track)5 m@ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - index intervention in the second secon		
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 5 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress		
Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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 Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 5 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m		
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceS × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of bending cycles (C-track)5 m @ 25 °CTraversing distance (C-track)3,3 m's @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	· · ·	
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi x Outer diameterDi x Outer diameterNo. of bending cycles (C-track)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	jacket)	
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m		
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline 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)5 mio @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline 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)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Flame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		·
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)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Gasoline 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)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/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)5 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 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 2 Mio. Torsion stress ± 30 °/m		
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 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 2 Mio. Torsion stress ± 30 °/m		
No. of bending cycles (C-track) 5 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 2 Mio. Torsion stress ± 30 °/m		
Traversing distance (C-track)5 m @ 25 °C horizontalTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Travel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		5 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C horizontal
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/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: 2024-06-26

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