

M12 male 90° A-cod. / MSUD valve plug B-10mm

PUR 3x0.75 gy UL/CSA+drag ch. 0.6m

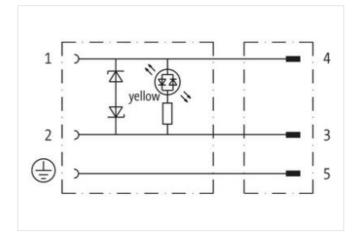
Form B (10 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

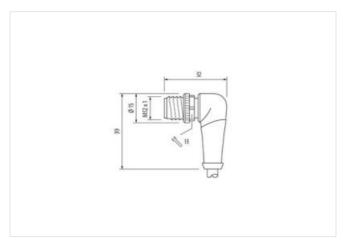
Link to Product

Illustration









Product may differ from Image



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: 2024-05-03

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879147286
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28.8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data Material data	
·	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
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.
Installation Cable	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



Printing oober of wire insulation white (isolation black) Jacket Color gray Typo of Carificatio URus Amount stranding 1 Stransing Swires hvisted Wile arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C, linotzontal Cable weigh 55, lig/m Material jacket PUP Shore hardness jacket 80 ± 5 Shore A Freadom Irom ingradents (jacket) 5.9 mm Torearran outer dimeter (inschift) 5.9 mm Older dimeter (inschift) 5.9 mm Older dimeter insulation 1.8 mm Outer dimeter insulation 1.8 mm Outer dimeter insulation 1.9 S mm Outer dimeter insulation </th <th>Cable identification</th> <th>236</th>	Cable identification	236
Jackei Color gray Type of Carlinate cluRus URus Amount stranding 1 Stranding 3 virus livited Stranding 3 virus livited Stranding 3 virus livited Traversing distance (C+rack) 10 m @ 25 °C I britzontal Cable weigh 55.1 gtm Material jacket 9 PUR Shore hardness jacket 9 PUR Shore hardness jacket 90 ± 5 Shore A Freedom Trom ingredients (jacket) 10 and 92 5 °C I horizontal Cable weigh 55.1 gtm Material jacket 90 ± 5 Shore A Freedom Trom ingredients (jacket) 10 and 76 °C - free, halogen-free, silicone-free Outer diameter (jacket) 25 % Material jacket 9 5 % Material weigh 55 % Shore hardness jacket 10 ± 5 % Material weir insulation PP Amount virus 3 Outer diameter insulation 1.55 mm Outer diameter insulation 1.55 mm Outer diameter insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Outer diameter insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Outer diameter insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Outer diameter insulation 10 ± 5 % O C ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ±	Cable Type	3
Type of Certificate UIRus Amount strandmig 1 Standing 3 wise Nvisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cadle weigh 56.1 g/m Material jacket PUF Shore hardness jacket PUF Shore hardness jacket 9.0 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-tree, halogen-free Outer diameter (stacket) 5.9 mm Torarco outer diameter (stacket) 5.9 mm Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.85 mn Shore hardness wire insulation 7.9 5 Shore D Ingredient freeness wire insulation 1.85 mn Outer diameter folderarce core insulation 1.85 mc Shore hardness wire insulation 1.95 Shore D Ingredient freeness wire insulation 1.95 Shore D Ingredient freeness wire insulation 1.95 Shore D Outer diameter folder wire insulation 1.95 Shore D Dinameter of sing	Printing color of wire insulation	white (isolation black)
Type of Certificate UIPus Amount stranding 1 Stranding 3 wise twisted Stranding 10 Turversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 56,1 g/m Material Jacket PUR Shore hardness jacket 90 5 Shore A Freedom from ingradiants (jacket) lead-tree, cadmium-free, CFC-tree, halogen-free, silicone-free Outer diameter (iseket) 5.9 mm Tolerance outer diameter (sheath) 5.9 % Material wei insulation PP Annort wires 3 Outer diameter insulation 1.95 mm Outer diameter insulation 1.95 fm Shore hardness wire insulation 1.95 fm Outer diameter teremess wire insulation 1.95 fm Outer diameter teremess wire insulation weiter (solation black) Annount strands (wire) 0.15 fm7 Conductor vires escientoritie 0.15 fm7 Conductor vires Stranded copper wire, bare Conductor vires Stranded copper wire, bare Conductor vires Stranded copper wire, b	Jacket Color	gray
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 mg 25 °C; Invizontal Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 5 5 Shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 .5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 70 3 5 Shore D Imgredient freeness wire insulation 70 3 5 Shore D Printing color of wire insulation 70 3 5 Shore D Printing color of wire insulation white (isolation black) Anount strand (wire) 42 Diameter of single wires 0.15 mm Conductor vipe (wire) strand class 6 Nominal voltage AC mac. 300 V Current load capacity min. wire 12 A Electrical resistance (income) 0.75 mm ² Material conductor wire 25.5 KV @ 60 s	Type of Certificate	
wire arrangementblack 1, black 2, green-yellowTraversing distance (C-tack)10 m @ 25 °C horizontalCable weigh56, 1 pmMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom trom ingredents (jacket)18 de-tree, cadmum-tree, CFC-tree, halogen-tree, silicone-treeOuter -diameter (socket)5,9 mmTolerance outer diameter (socket)5,9 mmTolerance outer diameter (socket)5,9 mmOuter diameter isulation2 5 %Amount wises3Outer diameter solution1,85 mmOuter diameter solution2 5 %Shore hardness wire insulation70 ± 5 Shore DIngredent treenses wire insulation186 mmOuter diameter solutionwhile (solution black)Amount strands (wire)42Diameter of single wires0,15 mmConductor roge (wire)strande copper wire, bareConductor viseStranded copper wire, bareConductor vise0,15 mmConductor vise26 JKM @ 20 °CAc wirtsda davalag (wire)2.5 KV @ 60 sNum ray outgas (wire)2.5 KV @ 60 sNum ray outgas (wire)2.5 KV @ 60 sNum ray outgas (wire)80 °C / 90 °C (p 10000 h OperationOperating temperature (static)40 °CMas. operating temperature (static)40 °CNo. operating temperature (static)40 °CNo. operating temperature (static)40 °COperating temperature (static)40 °CNo. operating temperature (static)40 °C	Amount stranding	1
Traversing distance (C-track) 10 m @ 25 °C horizontal Gable weigh 56,1 g/m Material Jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1ead tree, cadmium free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket 9P Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.95 % Shore hardness wire insulation 1.95 free Ingredient treeness wire insulation 1.95 % Shore hardness wire insulation 1.95 % Material conductor 1.95 free Printing color of wire insulation 1.94 free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Anount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm? Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire,	Stranding	3 wires twisted
Cable weight 56,1 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) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Annout wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Annout strands (wire) 42 Diameter of single wires 0,15 mm Conductor visessection (wire) 0,75 mm ² Conductor vise Stranded copper wire, bare	wire arrangement	black 1, black 2, green-yellow
Cable weight 56,1 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) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Annout wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Annout strands (wire) 42 Diameter of single wires 0,15 mm Conductor visessection (wire) 0,75 mm ² Conductor vise Stranded copper wire, bare	Traversing distance (C-track)	10 m @ 25 °C horizontal
Shore hardness jacket 90 ± \$ Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Armount strands (wire) 42 Diameter of single wires 0.15 mm Conductor vois Stranded copper wire, bare Conductor vois (wire) <	Cable weigth	56,1 g/m
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Quer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Annourt wires 3 Outer diameter loverance ore insulation ± 5 % Shore hardness wire insulation 1.85 mm Outer diameter loverance ore insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount wires 0,15 mm Conductor rows Stranded copper wire, bare Conductor row (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor row (wire) Stranded copper wire, bare Conducto	Material jacket	PUR
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter insulation 2 5 % Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Prining color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Prining color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Prining color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor 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 (standard) to DIN VDE 0298-4 <		90 ± 5 Shore A
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Shore hardness wire insulation 1.85 mm Ingresident treeness wire insulation 1.84 free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor rowssection (wire) 0.75 mm² Material conductor wire Strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Qlxm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (fixed) 40 °C Max. operating temperature (fixed) 40 °C Min. operating temperature (fixed)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Anount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Impredient Theness wire insulation wite (solation black) Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0.75 mm ² Conductor rosssection (wire) 0,75 mm ² Conductor vire (wire) Strandel 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 (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating tempera	Outer-diameter (jacket)	
Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation te 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diametor of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 0298-6 Ac withstand voltage (wi	Tolerance outer diameter (sheath)	±5%
Amount wires3Outer diameter insulation1.85 mmOuter diameter insulation \pm 5 %Shore hardness wire insulation 70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)Amount strands (wire)42Diametor of single wires0,15 mmConductor crosssection (wire)0,75 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 \otimes 60 sPower frequency withstand voltage (wire - stand)20 °CAC withstand voltage (wire - wire)2.5 kV \otimes 60 sPower frequency withstand voltage (wire - stand)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CPower frequency withstand voltage (wire - scandard)80 °C / 90 °C @ 10000 h OperationFiam resistanceUL 1581 § 1090 IEC 6332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOld resistanceGood, application-related testingColl resistanceDIN EN 60811-404 Good, application-related testingBendi	Material wire insulation	
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)Amount strands (wire)42Diameter of single wires0,15 mmConductor crosssection (wire)0,75 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)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sNin. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CCadout resistanceGood, application-related testingCadout resistanceUL 1581 § 1000 IEC 60332-2-2 I UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingCadout (fixed)5 x Outer diameterBaching registanceGood, application-related testingCalout (fixed)6 x C Urer diameterBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 No.@ 25 °CNo.	Amount wires	3
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)Amount strands (wire)42Diameter of single wires0,15 mmConductor crosssection (wire)0,75 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)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sNin. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CCadout resistanceGood, application-related testingCadout resistanceUL 1581 § 1000 IEC 60332-2-2 I UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingCadout (fixed)5 x Outer diameterBaching registanceGood, application-related testingCalout (fixed)6 x C Urer diameterBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 No.@ 25 °CNo.		
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lackst) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (dynamic) -25 °C Operating temperature (static) 40 °C Gaodie resistance Gold, application-related testing Gaodie resistance Good. application-related testing Core = Statoce Good. application-related testing Core = Statoce <	Outer diameter tolerance core insulation	
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 (standard) 26 0/km @ 20 °C AC withstance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ia/s kV @ 60 s s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter		
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 (standard) 26 0/km @ 20 °C AC withstance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ia/s kV @ 60 s s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)42Diameter of single wires0,15 mmConductor crosssection (wire)0,75 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 min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire -2,5 kV @ 60 sPower frequency withstand voltage (wire -2,5 kV @ 60 sJacket)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	5	
Diameter of single wires0,15 mmConductor crosssection (wire)0,75 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)25 kV @ 60 sElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jackel)40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-40 °CGood, application-related testing600d, application-related testingOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationPiane resistanceUL 1581 § 1090 J IEC 60332-2-2 J UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN RO811-404 J Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
Conductor crossection (wire)0,75 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 min. wire12 AElectrical resistance line constant wire26 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jackel)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 min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	. ,	
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 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) -2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Oli resistance UL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance UL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsi		•
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. wire12 AElectrical resistance line constant wire26 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)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 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistance10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress \pm 180 °/m	. ,	•
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω /km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.		
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (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 Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Min. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		
Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
Electrical resistance line constant wire26 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 (mixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending 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 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending 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)	80 °C / 90 °C @ 10000 h Operation
Flame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending 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)	-25 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer 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 resistanceDIN EN 60811-404 Good, application-related testingBending 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	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 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	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	Good, application-related testing
Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 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)	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: 2024-05-03

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be