

## M8 female 0° A-cod. with cable shielded

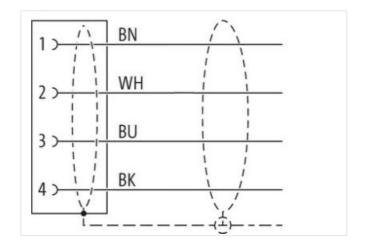
PUR 4x0.34 shielded bk UL/CSA+drag ch. 2m

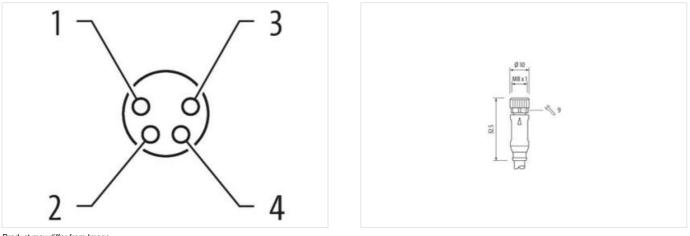
Female straight M8, 4-pole shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product









Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,4 Nm

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: 2024-05-18

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com



Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	8,5 mm
Material	PUR
Width across flats	SW9
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	4048879449762
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 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	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.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	641
	۲۳ ، 

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: 2024-05-18

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com



Jacket ClobrblackType of CertificatecURusAmount stranding1Stranding4 wires twelledCable shelding (toverage)80 %BendingPiesce, Follwire arrangementbrown, black, blue, whileCable shelding (toverage)80 %BardeningPiesce, Follwire arrangementbrown, black, blue, whileCable weight50,6 g nnMaterial jacket90 ± 5 Shore AFreedom from fingedintes (jacket)16 3 %Material jacket90 ± 5 Shore AFreedom from fingedintes (jacket)5.3 rmCader diameter (acket)5.3 rmCader diameter (acket)5.3 rmCader diameter (acket)5.3 rmCader diameter inslation1.25 rmCuder diameter inslation1.26 rmCandactor rops wire inslation1.26 rmCandactor rops wire inslation1.26 rm <th>Cable Type</th> <th>3</th>	Cable Type	3
Amount stranding         1           Stranding         4 wires twisted           Cable sheking (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         Down, black, blue, white           Cable sheking (coverage)         80 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingedents (gacket)         5.3 mm           Toterande cuber diameter (breath)         ± 5 %           Material jacket         PUR           Amount wires         4           Outer diameter (gacket)         5.3 mm           Toterande outer diameter (metaltion         1.5 mn           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         1.2 5 mn           Conclustor insulation         1.4 5 %           Material orien insulation         1.6 5 %           Conductor orises wire insulation         1.0 m           Conductor orises wire insulation         1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb		black
Amount stranding         1           Stranding         4 wires twisted           Cable sheking (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         Down, black, blue, white           Cable sheking (coverage)         80 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingedents (gacket)         5.3 mm           Toterande cuber diameter (breath)         ± 5 %           Material jacket         PUR           Amount wires         4           Outer diameter (gacket)         5.3 mm           Toterande outer diameter (metaltion         1.5 mn           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         1.2 5 mn           Conclustor insulation         1.4 5 %           Material orien insulation         1.6 5 %           Conductor orises wire insulation         1.0 m           Conductor orises wire insulation         1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb/ 1.0 fb	Type of Certificate	cURus
Cable shekting (type)         coppor braid, thrined           Cable shekting (coverage)         80 %           Bandring         Fleece, Fol           wire arrangement         brown, black, blue, while           Cable shekting         50.5 g/m           Material jacket         PUR           Shore hardness jacked         90.5 Shore A           Freedom Irom quedents (jackel)         5.3 mm           Tolerance outer diameter (shoath)         1.5 %           Material wire invalation         PP           Amount Wres         4           Cuber diameter invalation         1.25 mm           Cuber diameter invalation         1.25 mm           Outer diameter invalation         1.5 %           Material wire invalation         1.25 mm           Outer diameter invalation         1.5 %           Material wire invalation         1.25 mm           Outer diameter invalation         1.25 mm           Cuber dinamore invalation         1.25 mm <td></td> <td>1</td>		1
Cabbe shelding (coverage)         80 %           Banding         Fleece, Foil           Weie arrangement         brown, black, ble, white           Cabbe weight         50.6 g/m           Matrial jackel         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (gacket)         lead-free, cadimum free, CPC free, halogen free, allcone-free           Outer diameter (gacket)         ± 5 %           Material jacket         PP           Amount wires         4           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         1.28 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient feeness wire insulation         124 mm           Amount wires         4           Paneter of single wires         0.1 mm           Conduct crosssedion (wire)         0.34 mm <sup>2</sup> Material conductor wire         Sin <i>G</i> 2° C1 horizontal           Nominal voltage AC max.         300 V           Current load capacity (withshard voltage (wire)         24 G 2° C1 horizontal           Nominal voltage AC max.         300 V           Current load capacity (withshard voltage (wire)         24 W Ø 60 s           Power frequency Withshard voltage (wire)	Stranding	4 wires twisted
Cabbe shelding (coverage)         80 %           Banding         Fleece, Foil           Weie arrangement         brown, black, ble, white           Cabbe weight         50.6 g/m           Matrial jackel         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (gacket)         lead-free, cadimum free, CPC free, halogen free, allcone-free           Outer diameter (gacket)         ± 5 %           Material jacket         PP           Amount wires         4           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         1.28 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient feeness wire insulation         124 mm           Amount wires         4           Paneter of single wires         0.1 mm           Conduct crosssedion (wire)         0.34 mm <sup>2</sup> Material conductor wire         Sin <i>G</i> 2° C1 horizontal           Nominal voltage AC max.         300 V           Current load capacity (withshard voltage (wire)         24 G 2° C1 horizontal           Nominal voltage AC max.         300 V           Current load capacity (withshard voltage (wire)         24 W Ø 60 s           Power frequency Withshard voltage (wire)	Cable shielding (type)	copper braid, tinned
wire arangement         brown, black, blue, white           Cable weight         50.6 g/m           Material jacked         PUR           Shore hardness jacket         90.5 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, allicone-free           Outer diameter (cheath)         1.5 %           Material jacket         4           Outer diameter (cheath)         1.5 %           Shore hardness wire insulation         1.25 mm           Outer diameter insulation         70.5 5 Shore D           Ingredient teeness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm           Canductor or crossestion (wire)         0.24 mm <sup>4</sup> Diameter of single wires         0.1 mm           Canductor traces wire insulation         1.02 N mm <sup>4</sup> Conductor type (wire)         92 n C		80 %
Cable weigh         50,8 g/m           Material jackd         PUR           Shore hardness jackl         90 ± 5 Shore A           Freedom from ingredients (jackel)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         1.25 mm           Conductor vises wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         1.25 mm           Conductor vises wire insulation         1.25 mm           Conductor vise wires         0.1 mm           Conductor vise wires         0.34 mm²           Material conductor vise         Stranded copper wire, bare           Conductor vise wires         0.34 mm²           Material conductor vise wires         0.34 mm²           Conductor vise wires         Stranded copper wire, bare           Conductor vise wires	Banding	Fleece, Foil
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer diameter (jacket)         5.3 mm           Toferance outer diameter (jacket)         5.3 mm           Toferance outer diameter (jacket)         5.3 mm           Toferance outer diameter (jacket)         5.3 mm           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.42 mm           Conductor rossection (wire)         42           Diameter of single wires         0.1 mm           Conductor rossection (wire)         0.34 mm <sup>2</sup> Conductor rossection (wire)         Strand class 6           Traversing distance (C-track)         5 m @ 25 °C (horizontal           Nominal voltage AC max.         300 V           Current load capacity (rink), wire         4.8 A           Electrical resistance         60 rock           Power frequency withstand voltage (wire - sisket)         2 kV @ 60 s           AC withstand voltage (	wire arrangement	brown, black, blue, white
Shore hardness jakkt         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jakket)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Darber hardness wire insulation         1.25 mm           Ingredient freeness wire insulation         1.42 %           Amount strands (wire)         42           Dameter of singradie wires         0.1 mm           Conductor rops (wire)         0.34 mm²           Material conductor wire         Strande copper wire, bare           Conductor rops (wire)         5 m @ 25 °C1 horizontal           Nominal vottage 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)         to DIN VDE 0298-4           Current load capacity (standard)	Cable weigth	50,6 g/m
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5,3 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PP       Amount wires     4       Outer diameter Insulation     1,25 mm       Outer diameter Insulation     70 ± 5 %       Shore hardness wire insulation     70 ± 5 %       Shore hardness wire insulation     70 ± 5 %       Maunt strands (wire)     42       Diameter of single wires     0,11 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Strand class 6       Traversing distance (C-fraek)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (filandard)     to DIN VDE C298-4       Current load capacity (min. wire     4.8 A       Electrical resistance line constant wire     57 Ω km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       AC withstand voltage (wire - wire)     2 kV @ 60 s       Min. operating themperature (fixed)     40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)		
Outer-diameter (jacket)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Matrial wire insulation         PP           Amount wires         4           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter 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 sile wires         0,1 mm           Conductor crossescion (wire)         0,34 mm²           Material conductor wire         Stranded coper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage A Cmax.         300 V           Current load capacity (sin Adard)         to DIN VDE 0298.4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 QAm @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Ac withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Min. operating temperature (static)<	Shore hardness jacket	90 ± 5 Shore A
Outer-diameter (jacket)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Matrial wire insulation         PP           Amount wires         4           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter 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 sile wires         0,1 mm           Conductor crossescion (wire)         0,34 mm²           Material conductor wire         Stranded coper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage A Cmax.         300 V           Current load capacity (sin Adard)         to DIN VDE 0298.4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 QAm @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Ac withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Min. operating temperature (static)<	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     126 mm       Material conductor wires     0.1 mm       Conductor crosseedion (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-rack)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0299-4       Current load capacity (standard)     to DIN VDE 0299-4       Current load capacity (standard)     to DIN VDE 0299-4       Current load capacity (wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     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)     26 °C 0       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating tempe		5,3 mm
Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         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         Traversing distance (C-track)       5 m @ 25 °C   horizontal         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 (win- wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - isolet)       2 kV @ 60 s         AC withstand voltage (wire - wire)       2 kV @ 60 s         Min. operating temperature (max)       90 °C ?0 °C @ 10000 h Operation         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       0 °C @ 10000 h Operation         UV r	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Imgredient 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)         strande class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (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 (	Material wire insulation	PP
Outer diameter tolerance core insulation $\pm 5 %$ Shore hardness wire insulation70 $\pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor orssesceion (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor yee (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal 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 kV @ 60 sPower frequency withstand voltage (wire - sine)2 kV @ 60 sMin. operating temporature (static)-40 °CMax. operating temporature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationUr versistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2Chemical resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN EN SO 4892-2 AFlame resistanceDIN	Amount wires	4
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 rossection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         2 k/ Q 60 s	Outer diameter insulation	1,25 mm
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 <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 (wine)         2 kV @ 60 s           AC withstand voltage (wire -         2 kV @ 60 s           Power frequency withstand voltage (wire -         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           Querating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)	Outer diameter tolerance core insulation	±5%
Amount strands (wire)       42         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         Traversing distance (C-track)       5 m @ 25 °C   horizontal         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)       4.8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         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 (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4882-2 A         Flame resistance       IEC 60332-22 ·L U. IS81 § 1090 / U. IS81 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related tes	Shore hardness wire insulation	70 ± 5 Shore D
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         Traversing distance (C+track)       5 m @ 25 °C   horizontal         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       4.8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - ispace (static))       -40 °C         Max. operating temperature (static)       -40 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60322-2 I UL 1581 § 1090   UL 1581 § 1100 FT2         Chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing </td <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - ispect of a set	Amount strands (wire)	42
Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - ispect of a set	Diameter of single wires	0,1 mm
Conductor type (wire)       strand class 6         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4.8 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 - iacket)       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 max. (dynamic)       -25 °C         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       IEC 6032-2-2 !U LI 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 160 611-404   Good, application-related testing         Oil resistance       DIN EN 06011-404   Good, application-related testing         Oil resist	-	0,34 mm <sup>2</sup>
Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 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)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 I UL 1581 § 1090   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 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - lacket)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 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4.8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         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 (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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2 2   UL 1581 § 1100   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gaioline resistance       DIN EN 60811-404   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         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         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         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2 I 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         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire       57 Ω/km @ 20 °C         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         AC withstand voltage (wire - shield)       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 (static)       -25 °C         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       IEC 60332-22   UL 1581 § 109   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         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Current load capacity (standard)	to DIN VDE 0298-4
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         AC withstand voltage (wire - shield)       2 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   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         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   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         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       ± 30 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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 resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline 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 (fixed)       5 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Power frequency withstand voltage (wire -	2 KV @ 60 c
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 resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
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       IEC 60332-2-2   UL 1581 § 1090   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         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       ± 30 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
UV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistanceIEC 60332-2-2   UL 1581 § 1090   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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		80 °C / 90 °C @ 10000 h Operation
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)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance       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 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m		IEC 60332-2-2   UL 1581 § 1090   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)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	chemical resistance	
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       ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)       10 × Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     2 Mio.       Torsion stress     ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 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: 2024-05-18

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com