

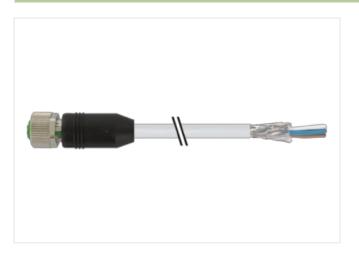
M12 female 0° A-cod. with cable shielded

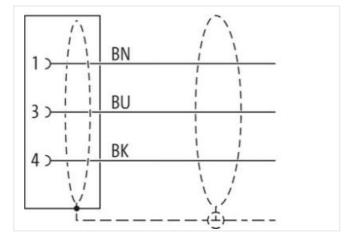
PUR 3x0.34 shielded gy UL/CSA+drag ch. 3m

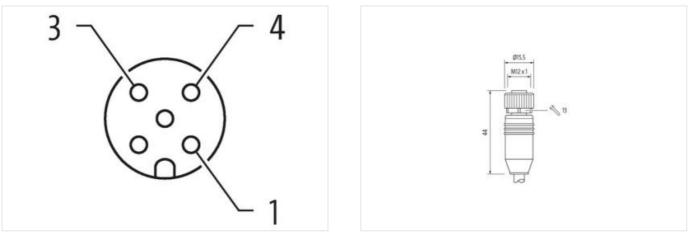
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



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: 2024-04-18

3 m

0,6 Nm

Murrelektronik A.S. | Christian August Thorings vei 7 | 4033 Stavanger | Fon +47 32 1790-80 | Fax +47 32 1790-90 | shop@murrelektronik.no | shop.murrelektronik.no



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879482691
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 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	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climation	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	240
Cable Type	3
Jacket Color	gray
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Amount stranding 1 Stranding 3 wires twilded Cable sheking (coverage) 80 % Banding Flooce, Foll wire arrangement Down, Back, Nue No. of banding cycles (C-Irack) 5 Moc @ 25 °C Cable waigh 44 gm Material jacket PUR Store hardness jacket PUR Store hardness jacket 90 5 °S Tolerance outing analytic (scice) 5 % Material jacket 90 5 °S Tolerance outing analytic (scice) 5 % Material jacket 90 5 °S Tolerance outing analytic (scice) 5 % Material wei insulation PP Amount wires 3 Outer diameter (starbit) 1 5 % Store hardness wire insulation 1 25 °N Dareat diameter (starbit) 4 5 % Material wei insulation 7 1 5 Shore D Ingredient trabes weire insulation 1 25 °N Dareat draft weire insulation 1 25 °N Material conductor weire Strand Case 6 Traversing distanc	Type of Certificate	cURus
Cable shielding (type)copper braid, linnedCable shielding (coverago)80 %BandingFloece, Follwire arrangementbrown, black, blueNo. of bending cycles (C-track)5 Mio. @ 25 °CCable weigh44 g/mMatterial jacketPURShore hardness jacket90 ± 5 Shore AFreestom from ingredients (jacket)lead-tree, cadmum-free, CFC-free, halogen-free, silicone-freeOuter-diameter (iscket)5 %Material jacketPPAmount wies3Outer diameter (inschild)1 5 %Material indexter (iscket)5 %Shore hardness wire insulation1 25 mmOuter diameter insulation1 25 mmOuter diameter insulation7 5 5 Shore DIngredient freeness wire insulation1 25 Shore DIngredient freeness wire insulation1 25 Shore DIngredient freeness wire insulation1 8 %Shore hardness wire insulation1 8 %Conductor register (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor logic wire)0,34 mm²Material conductor wireS 7 & Mm @ 20 °CConductor logic perver AC max.300 °CConductor logic perver AC max.30 °CConductor logic perver21 °V @ 60 sConductor logic perver AC max.30 °CConductor logic perver AC max.30 °C<	Amount stranding	1
Cable shielding (coverage) 80 % Banding Fleece, Foil Wite sarangement brown, black, blue No. of banding cycles (C-track) 5 Mio, @ 25 °C Cable weight 44 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredents (jacket) least-free, cadmum-ree, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Tolerance outer diameter (risulation PP Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.25 °m Amount stands (wire) 42 Diameter of single wires 0.1 rm Constructor crosssection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Constructor crosssection (wire) 0.34 mm ² Material conductor wire SA Constructor visces (wein -shelled) to DIN VDE (298 - 4 Current load capacity (islandard) to DIN VDE (298 - 4 Constructor visces (wein - shelled) to DIN	Stranding	3 wires twisted
Bandming Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mo. Ø 25 °C Cable weight 44 gm Material jacket PUR Shore hardness jackot 90.5 Shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 125 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freenees wire insulation 70 ± 5 Shore D Ingredient freenees wire insulation 70 ± 5 Shore D Ingredient freenees wire insulation 8.4 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 0.34 mm² Conductor crossection (willer) 0.34 mm² Traversing distance (C-track) 5 m @ 25 °C) horitontal Conductor type (wire) strand clase 6 Conductor type (wire) 5trand de capaet / 5trachal Conductor type (wire) 5tra	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 44 g/m Material packet PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredents (jacket) Real-free, cadm/um-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 7.0 ± 5 %. Shore hardness wire insulation 1.25 mm Outer diameter insulation 7.0 ± 5 %. Shore hardness wire insulation 4.2 mm Outer diameter insulation 4.2 mm Conduct crosses wire insulation 4.2 mm Diameter of single wires 0.1 mm Conductor wires swire insulation 6.2 % C1 horizontal Conductor wires crossection (wire) 0.34 mm² Material conductor wire Strand class 6 Caracutor type (wire) strand class 6 Caravering distance (C-trac	Cable shielding (coverage)	80 %
No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weight 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PP Amount wies 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Constructor view 0.1 nm Conductor view Stranded copper wire, bare Conductor view (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor view (wire) 5 m @ 25 °C horizontal Current load capacity (risk under soft) 5 m @ 25 °C horizontal Current load capacity risk under soft 50 km @ 20 °C Nominal voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (max) (dynamic) <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Cable weigth 44 g/m Material jacket PUR Shore hardmess jackt 91 ± 5 shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5 mm Tolerance outer diameter (sheath) 5 5 % 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 70 ± 5 shore D Ingredient freeness wire insulation 1.25 mm Conductor roressection (wire) 0.34 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VPE 0284-4 Current load capacity (standard) to DIN VPE 0284-4 Current load capacity (standard) to DIN VPE 0284-4 Current load capacity (standard)	wire arrangement	brown, black, blue
Material jacket PUR Shore harchess jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Iead'ree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Tolerance outer diameter (jacket) 5 mm Materia wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Control diameter insulation 1.24 5% Material wire insulation 1.24 5% Amount stands (wire) 42 Diameter of single wires 0.1 mm Conductor rowssection (wire) 0.34 mm² Conductor row (wire) Stranded copper wire, bare Conductor row (wire) Stranded copper wire, bare Conductor row (wire) Strande copper wire, bare	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket 90 ± S Shore A Freedom from ingredients (jacket) lead+ree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.5 % Shore hardness wire insulation 1.64 % Imgredient freeness wire insulation 1.64 % Conductor crosses wire insulation 1.64 % Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor wire Strande copper wire, bare <tr< td=""><td>Cable weigth</td><td>44 g/m</td></tr<>	Cable weigth	44 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Materia 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 Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossescion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN DE 0286-4 Current load capacity (standard) to DIN DE 0298-4 Current load capacity (standard) to DIN DE 0298-4 Current load capacity (standard) to VIN Ø 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s Nominal voltage power (wire	Material jacket	PUR
Outer-diameter (acket) 5 mm Tolerance outer diameter (sheath) ± 5 % Matrial wire insulation PP Amount wires 3 Outer diameter rolerance core insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness 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 holizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s Nominal voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (min. (dynamic) 26 °C 0 <	Shore hardness 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 tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Imgredient freeness wire insulation kad/rec, 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) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current toad capacity min, wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Material emperature (static) -40 °C Max. operating temperature (static) -40 °C 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 3 Outer diameter insulation 1.25 mm Outer diameter folkance core insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm 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 Current load capacity (standard) to DIN VDE 0289.4 Current load capacity (standard) to DIN VDE 0289.4 Current load capacity (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Rowing unge power AC max. 300 V AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation	Outer-diameter (jacket)	5 mm
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 strands (wire) 42 Diameter of single wires 0,1 mm Conductor or sossection (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 Current toal capacity (strandard) to DIN VDE 0298-4 Current toal capacity (wire shield) 2 KV @ 60 s Row distance (Wire - shield) 2 KV @ 60 s Power frequency withstand voltage power (wire - shield) 2 KV @ 60 s Max. operating temperature (in (wing) 20 °C @ 10000 h Operation Operating temperature (istatio) -40 °C Max operating temperature (istatio) -26 °C @ Operating temperature (istatio) 80 °C / 90 °C @ 10000 h Operation Operating temperature (istatio) 80 °C / 90 °C @ 100000	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Quter 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 cossesction (wire) 0,34 mm³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Power frequency withstand voltage power 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C	Material wire insulation	PP
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Nominal voltage power A Comax. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (fixed) 48 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 48 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 48 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 48 °C / 90 °C @ 10000 h Operation Operating temperature (fix	Amount wires	3
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 rowssection (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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (niv wire) 5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power AC max. 300 V AC withstand voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating te	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 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Ma. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance	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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 6 A Electrical resistance line constant wire 57 0/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 20 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing	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 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 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Of the sistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Div Cuer diameter Bending radius (fixed)<	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 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 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (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 (static) -25 °C Operating temperature fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) -25 °C Operating temperature fixed Good, application-related testing Gasoline resistance Elec 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, a	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sRive + jacket)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2 I UL 1581 § 1090cheating 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - shield)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ifxed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2 I UL 1581 § 1090chemical 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 diameterBending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterResistance10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ifixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2 I UL 1581 § 1090chemical 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 diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor type (wire)	strand class 6
Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire $57 \Omega/km @ 20 °C$ Nominal voltage power AC max. $300 V$ AC withstand voltage power (wire - shield) $2 kV @ 60 s$ Power frequency withstand voltage power (wire - jacket) $2 kV @ 60 s$ AC withstand voltage power (wire - wire) $2 kV @ 60 s$ 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) $80 °C / 90 °C @ 10000 h Operation$ Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 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) $5 \times Outer diameter$ Bending radius (dynamic) 10 × Outer diameter No. of torsion cycles 2 Mio.	Current load capacity (standard)	to DIN VDE 0298-4
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Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
Torsion speed 35 cycles/min	No. of torsion cycles	2 Mio.
		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: 2024-04-18

Murrelektronik A.S. | Christian August Thorings vei 7 | 4033 Stavanger | Fon +47 32 1790-80 | Fax +47 32 1790-90 | shop@murrelektronik.no | shop.murrelektronik.no