

## M12 male 0° A-cod. with cable shielded

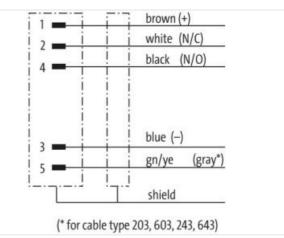
PVC 5x0.34 shielded gy UL/CSA 5m

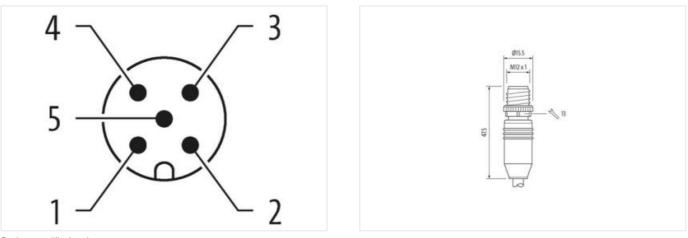
Male straight M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## 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: 2024-04-26

5 m

0,6 Nm

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	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	4065909000410
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
Diagnostics	
Status indication LED	no
Installation   Connection	
	00 mm
Stripping length (jacket)	20 mm
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	
Contour for corrugated hose	without
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	
Environmental characteristics   Climatio	

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Caparality emperature max.     BS °C       Addition condition temperature may     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     202       Cable Type     1       Jacket Color     grav       Type of Certificate     CPUs       Admont stranding     1       Stranding     Swins around Core filter twisted       Cable Shelding (type)     cooper braid, finned       Cable weigh     68.2 pm       Material packet     PVC       Shore hastness (tacket)     FVC       Shore hastness (tacket)     S 5 mm       Coldraroword (tanket)     1.5 mm       Coldraroword (tanket)     1.5 mm       Coldraroword (tanket)     1.5 mm       Coudraroword (tanket)     1.5 mm	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality   Conformity   Product standard DIN EN 61076 2.101 (M12)   Installational Cable Cable dividication   Cable dividication 202   Cable of Castling and Castling		
Contormity     Product standard     DIN EN 81076-2-101 (M12)       Installation [Cable     Cable Campion     202       Cable Type     1		
Product standard     DIN EN 6 1076-2-101 (M12)       Insellation   Cable     Cable infinitation     202       Cable infinitation     020     Cable Type     1       Jackat Color     gray     Type of Certificate     cURus       Amount standing     1     Standing     Standing       Standing     5 wires around Core filler twisted     Cable shielding (coverage)     80 %       Banding     Fileer, Foil     File     Standing     Fileer, Foil       Filer     yes     wire arrangement     trown, black, blue, white, green-yellow     Cable shielding (coverage)     80 %       Cable weight     68.2 g/m     Store A     Freedom from ingredients (jackat)     Ea 5 %       Cabler dameter (sheath)     ± 5 %     Store hardness jackat     85 ± 5 Shore A     Store hardness (jackat)     Ea 5 %       Cabler dameter (sheath)     ± 5 %     Store hardness (jackat)     Ea 5 %     Store hardness (jackat)     E 5 %       Outer diameter (sheath)     ± 5 %     Store hardness wire insulation     5 5     Store hardness wire insulation     5 5       Outer diameter (sheath)     ± 5 %     Store hard	1 0	
Installation (Cable)       Cable infinition     202       Cable Type     1       Schet Cofon     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper brail, linead       Cable shielding (type)     copper brail, linead       Cable shielding (type)     graw, mant       Wire arrangement     brown, black, blue, white, green-yellow       Cable weight     68.2 g/m       Material jacket     PVC       Store hardness jacket     51.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (iacket)     5.6 mm       Tolerance outer diameter (isolation)     1.5 %       Material wire insulation     PVC       Amount Wires     5       Outer diameter insulation     1.25 mm       Cuter diameter insulation     1.5 %       Material properties wire insulation     1.5 Shore D       Material properties wire insulation     1.5 fram       Cuter diameter insulation		
Cable identification     202       Cable identification     gray       Type of Certificate     cuRus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foll       Filler     yes       wire arrangement     brown, black, blue, while, green-yellow       Cable weight     68.2 grim       Material jacket     PVC       Shore hardness jackat     85.1 5 Shore A       Freedom from ingredients (jacket)     5,6 mm       Outer-diameter (jacket)     5,6 mm       Outer-diameter (jacket)     5,6 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     45.2 Shore D       Material properises wire insulation     45.2 Shore D       Material properises wire insulation     1,25 mm       Outer diameter insulation	Product standard	DIN EN 61076-2-101 (M12)
Cable Type     1       Jacket Color     gray       Type of Certificate     cURus       Amount standing     1       Stranding     5 wres around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleeco, Foli       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     68.2 g/m       Material jacket     PVC       Shore hardness jacket     85.5 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.6 mm       Outer-diameter (jacket)     5.5 mm       Outer diameter (jacket)     5.6 mm       Outer diameter (jacket)     5.5 mm       Outer diameter insulation     PVC       Amount strands     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm <t< td=""><td>Installation   Cable</td><td></td></t<>	Installation   Cable	
Jakket Color     gray       Type of Certificate     cUBus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Filece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green yellow       Cable weight     68,2 grin       Material jacket     PVC       Shore hardness jacket     86 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Quiter diameter insulation     PVC       Amount wires     5       Outer-diameter lolarance core insulation     1.25 mm       Outer diameter insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 0 mm       Conductor type (wire)     0.34 mm <sup>2</sup>	Cable identification	202
Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weighth     68.2 g/m       Material jockt     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmum-free, CFC-tree, silicone-free       Outer-diameter (jacket)     5 & m       Tolerance outer diameter (sheath)     ± 5 %       Material inselution     PVC       Amount Wires     5       Outer diameter insulation     PVC       Amount Wires     5       Shore hardness wire insulation     1.25 mm       Outer diameter biorance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     1.25 mm       Outer diameter biorance core insulation     1.25 mm       Guiter diame	Cable Type	1
Amount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arangementbrown, black, blue, white, green-yellowCable weigth68.2 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)Iead-free, cadhum-free, CFC-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (eheath) $\pm 5 \%$ Material properties wire insulationPVCAmount string5Outer diameter risulation $45 \pm 5$ Shore DMaterial group insulation $45 \pm 5$ Shore DMaterial group insulation $45 \pm 5$ Shore DMaterial group insulation1.25 mmOuter diameter risulation45 ± 5 Shore DMaterial properties wire insulation1.45 %Material properties wire insulation1.95 %Material properties wire insulation1.95 mmConductor type (wire)0.15 mmConductor type (wire)Strand class 5Current load capacity (standard)10 DIN VDE 0298-4Current load capacity (standard)2 kV @ 60 sNominal voltage power (wire - shindly2 kV @ 60 sNominal voltage power (wire - shindl	Jacket Color	gray
Stranding     5 wires around Core filler twisted       Cable shielding (type)     cooper traid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foll       Filler     yes       wire arrangement     brown, black, blue, while, green-yellow       Cable weigh     68.2 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freadom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Cuter diameter (sheath)     ± 5 %       Material properties wire insulation     1.25 mm       Outer diameter tolerance core insulation     45 ± 5 Shore D       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Material properties wire insulation     lead-free, cadmium-free, CFC-free, sili	Type of Certificate	cURus
Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     68.2 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,6 mm       Tolerance outer diameter (jacket)     5,6 mm       Tolerance outer diameter (jacket)     5 %       Material wire insulation     PVC       Amourt Wries     5       Outer diameter folderance or insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     45 ± 5 Shore D       Material properties wire insulation     160 Hree, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.15 mn       Conductor consection (wire)     0.34 mm²       Material could/uct wrire     Stranded cooper wire, bare       Courductor type (wire)	Amount stranding	1
Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     68,2 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor wire     Strand class 5       Current toad capacity (standard)     to DIN VDE 0298-4       Current toad capacity min, wire     45 A	Stranding	5 wires around Core filler twisted
Banding   Fleece, Foil     Filler   yes     wire arrangement   brown, black, blue, white, green-yellow     Cable weigh   68.2 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   5,6 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   5     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 Shore D     Material properties wire insulation   good machinability     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   19     Diameter of single wires   0.15 mm     Conductor rowssection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   Strand class 5     Current toad capacity (istandard)   to DIN VE 0298-4     Current toad capacity min: wire   4.5 A	Cable shielding (type)	copper braid, tinned
Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     68,2 g/n       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material visic insulation     PVC       Amount wires     5       Outer-diameter (lacket)     5,6 mm       Outer diameter insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter insulation     good machinability       Ingredient freeness wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor cossection (wire)     0,34 mm²       Conductor type (wire)     Stranded copper wire, bare       Conductor type (wire)     Stranded copper wire, bare       Current load capacity m	Cable shielding (coverage)	80 %
wire arrangementbrown, black, blue, white, green-yellowCable weigth68.2 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5.6 mmTolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPVCAmount wires5Outer diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $45 \pm 5$ Shore DMaterial wire insulation $45 \pm 5$ Shore DMaterial wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor rossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor rossection (wire)Stranded ss 5Current toad capacity (istandard)to DIN VDE 0298-4Current toad capacity (istandard)to DIN VDE 0298-4Current toad capacity (istandard)2 kV @ 60 sNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sAc withstand voltage power (wire - wire)2 kV @ 60 sMaterial representing temperature (static)30 °C	Banding	Fleece, Foil
Cable weigth   68.2 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   5,6 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   5     Outer diameter insulation   PVC     Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 Shore D     Material propeties wire insulation   god machinability     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   19     Diameter of single wires   0,15 mm     Conductor vire   Strand clasper wrie, bare     Conductor wire   Strand clasper wrie, bare     Conductor wire   Strand clasper V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   570km @ 20 °C	Filler	yes
Material Jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     PVC       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     45 ± 5 Shore D       Material wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor conspection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity min. wire     4.5 A       Electrical resistance line constant wire     57 Q/Im @ 20 °C       Nominal voltage power AC max.     300 V	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5.6 mmTolerance outer diameter (jacket)± 5 %Material wire insulationPVCAmount wires5Outer diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0.15 mmConductor rype (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.5 AElectrical resistance line constant wire57 O/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sMar. operating temperature (fixed)80 °C	Cable weigth	68,2 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   5,6 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 Shore D     Material properties wire insulation   good machinability     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   19     Diameter of single wires   0,15 mm     Conductor crossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor crossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor rowseet(statamer)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   57 Q/km @ 20 °C     Nominal voltage power (wire - shield)   2 kV @ 60 s     Ac withistand voltage power (wire - shield)	Material jacket	PVC
Outer-diameter (jacket)     5.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Q/km @ 20 °C       Nominal voltage power (wire - shield)     2 kV @ 60 s       Ac withstand voltage power (wire - shield)     2 kV @ 60 s       Ac withstand voltage power (wire - shield)     2 kV @ 60 s       Ac withstand voltage power (wire - shield)     2 kV @ 60 s	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires5Outer diameter insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Stranded cass 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sPower frequency withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (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       Ac withstand voltage power (wire - wire)     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (fixed)     80 °C	Outer-diameter (jacket)	5,6 mm
Amount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation $45 \pm 5$ Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire4,5 AElectrical resistance line constant wire57 $\Omega/km$ @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 sMonin aperating temperature (static)-30 °CMax. operating temperature (fixed)80 °C	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (istandard)to DIN VDE 0298-4Current load capacity (wire - shield)2 kV @ 60 sNominal 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 - site)-30 °CMax. operating temperature (fixed)80 °C	Material wire insulation	PVC
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CNominal 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 - shield)- 30 °CMax. operating temperature (fixed)80 °C	Amount wires	5
Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMar. operating temperature (fixed)80 °C	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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 (fixed)80 °C	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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)-30 °CMax. operating temperature (fixed)80 °C	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °C	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant 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 - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °C	Amount strands (wire)	19
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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)-30 °CMax. operating temperature (fixed)80 °C	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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 - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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)-30 °CMax. operating temperature (fixed)80 °C	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 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 - jacket)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)-30 °CMax. operating temperature (fixed)80 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire4,5 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 - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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)-30 °CMax. operating temperature (fixed)80 °C	Conductor type (wire)	Strand class 5
Electrical 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 - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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)-30 °CMax. operating temperature (fixed)80 °C	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)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)-30 °CMax. operating temperature (fixed)80 °C	Current load capacity min. wire	4,5 A
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)   -30 °C     Max. operating temperature (fixed)   80 °C	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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)   -30 °C     Max. operating temperature (fixed)   80 °C	Nominal voltage power AC max.	300 V
(wire - jacket) 2 kV @ 60 s   AC withstand voltage power (wire - wire) 2 kV @ 60 s   Min. operating temperature (static) -30 °C   Max. operating temperature (fixed) 80 °C	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °C		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C	AC withstand voltage power (wire - wire)	2 kV @ 60 s
	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic) -5 °C	Max. operating temperature (fixed)	80 °C
	Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic) 80 °C	Operating temperature max. (dynamic)	80 °C
Flame resistance     UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing
Gasoline resistance Good, application-related testing	Gasoline resistance	Good, application-related testing
Oil resistance Good, application-related testing   DIN EN 60811-404	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed) 10 x Outer diameter	Bending radius (fixed)	10 x Outer diameter

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: 2024-04-26

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl