

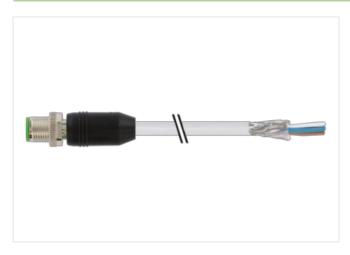
## M12 male 0° A-cod. with cable shielded

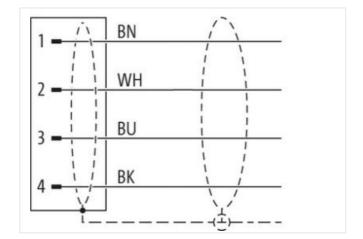
PUR 4x0.34 shielded gy UL/CSA+drag ch. 12m

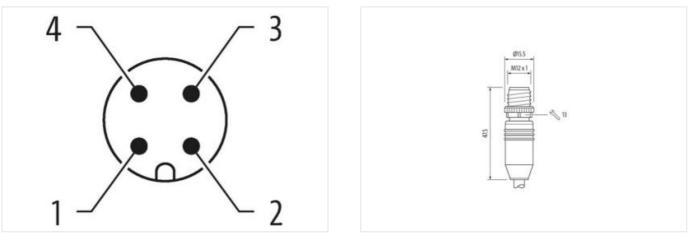
Male straight M12, 4-pole A-coded shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## 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: 2024-05-05

12 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
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-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	4048879532082
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	
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)	
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	
· · ·	inserted screwed Shaking protection
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climati	c

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: 2024-05-05



Additional condition temperature range     depending on cable quality       Important installation noise     Variant the connectors by suitable measures from mechanical backs, e.g. by the usage of cable files.       Note on star refer     Protect the connectors by suitable measures from mechanical backs, e.g. by the usage of cable files.       Note on star refer     DNE No for 76-2010 (M12)       Installation Construction     DNE No for 76-2010 (M12)       Installation Construction     241       Cable Interficience     QHIN       Cable Interficience     Query Train of Casle Interficience       Cable Interficince Casle Interficience     Query Train of	Operating temperature min.	-25 °C
Important installation noise     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.       Note on bonding radius     Attention: Connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.       Conformity     Conformity       Product standard     DIN EN 61076 2-101 (M12)       Installation (Cable     Cable dendification       Cable dendification     241       Cable dendification     0/Disis       Amount stranding     1       Stranding     0/Disis       Amount stranding     1       Cable stranding (covenage)     80 %       Cable stranding (covenage)     80 %       Banding     Fleece. Fol       Write attragement     brown. Black, blue, white       Traversing distance (Crarke)     S0 & g/m       Material jackit     0.9 & S       Shore hardness jackit     9.1 & S %       Cardeat real (cable)     5.3 m       Cardeat real (cable)     5.3 fm       Cardeat real (cable)     <	Operating temperature max.	85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bencing radius <b>Extension:</b> Observe the permissible bending fortas.       Contermity     Product standard       Product standard     Description of second bending fortas.       Contermity     Product standard       Cable infeation     241       Cable of permitsion     241	Additional condition temperature range	depending on cable quality
Note on bending radius     Alteroflers: Observe the parentisable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contornity     Products standard     DN EN 61076-2-101 (M12)       Installation     Contornity     Products standard     DN EN 61076-2-101 (M12)       Installation     Contornity     Products standard     DN EN 61076-2-101 (M12)       Installation     Contornity     Products standard     Contornity       Installation     Contornity     Products standard     Contornity       Installation     Contornity     Products standard     Products standard       Contornity     Products standard     Products standard     Products standard       Strandard     Lines     Strandard     Products standard     Products standard       Strandard     Products standard     Products standard     Products standard     Products standard       Strandard     Products standard     Products standard     Products standard     Products standard     Products standard       Strandard     Strandard     Products standard     Products standard     Products standard     Productstandard     Products standard <	Important installation notes	
Note Of the Official State          An endragered by excessive bending forces.	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DIN EN 61076-2-101 (M12)       Installication     241       Cable identification     241       Cable identification     241       Cable identification     241       Cable identification     241       Standard     UPure       Apport Carification     UPure       Standard     UPure       Standard     Viscos Wisted       Cable shelding (coverage)     80 %       Banding     Piecee, Foil       wire arrangement     Excos Mathe       Cable wight     50 % print       Strandards gidstance (C-track)     5 m @ 25 °C I horizontal       Cable wight     50 & 5 % print       Strees functiones gidstance (C-track)     Ead rese, cadmum-free, CFC free, halogen free, silicone-free       Cadle wight     5 % N       Material jacket     PP       Older diameter (bleeth)     1 5 S mm       Older diameter insulation     70 5 S Sine D       Tingerden I forenes wire insulation     84 %       Outer diameter insulation     84 %       Sine barding (idex)     3 5 %       Sine barding (ide	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation ( Cable       Cable isopic     241       Cable isopic     3       Cable Type     3       Cable Colo     gray       Type of Carlitate     URus       Annout stranding     1       Stranding     subset of Colorations       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %       Banding     Filecon, Foll       wire arrangement     boxe, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50.6 g/m       Material jackh     PUR       Shore hardness jackel     90.5 Shore A       Freedom Tom Ingendents (jackh)     184 divera, cadmunt-free, CFC free, halogen-free, silicone-free       Outer-diameter (jackel)     184 divera, cadmunt-free, CFC free, halogen-free, silicone-free       Outer diameter (stantation     PP       Annout Views     4       Outer diameter (stantation     5 %       Shore hardness wire insulation     12 5 % mc       Outer diameter (stantation     12 5 %       Shore hardness wire insulation     12 5 % <td>Conformity</td> <td></td>	Conformity	
Cable identification241Cable Type3Josett ColrgrayType of CertificatecURusAmount strainding1Cable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FollTraveraing distance (C-track)5 m @ 25 °C   horizontalCable shielding (coverage)50.6 grmMaterial [acket9 c 5 Shore AFreedom torm ingredients (jacket)80.7 %Material [acket9 c 5 Shore AFreedom torm ingredients (jacket)5 %Material [acket9 c 5 Shore AFreedom torm ingredients (jacket)5 %Outer diameter (facket)5 %Cable anisation1.25 mmOuter diameter (facket)5 %Shore hardness wire insulation7 c 5 Shore DOuter diameter insulation7 c 5 Shore DDiameter digite wires0.1 mmConductor rops wires insulation7 c 5 Shore DDiameter digite wires0.1 mmConductor rops wires insulation1.24 mm <sup>2</sup> Conductor rops (jacket)5 7.0 km <sup>2</sup> Material conductor wire5 7.0 km <sup>2</sup> Conductor rops (jackator)1.0 INIV DE 028-4Corrient col capacity (fandard)1.0 INIV DE 028-4Corrent tool capacity (fandard)2 kV @ 60 sCorrent tool capacity (fandard)2 kV @ 60 sCorrent tool capacity (fandard)2 kV @ 60 s <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td>	Product standard	DIN EN 61076-2-101 (M12)
Cable identification241Cable Type3Josett ColrgrayType of CertificatecURusAmount strainding1Cable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FollTraveraing distance (C-track)5 m @ 25 °C   horizontalCable shielding (coverage)50.6 grmMaterial [acket9 c 5 Shore AFreedom torm ingredients (jacket)80.7 %Material [acket9 c 5 Shore AFreedom torm ingredients (jacket)5 %Material [acket9 c 5 Shore AFreedom torm ingredients (jacket)5 %Outer diameter (facket)5 %Cable anisation1.25 mmOuter diameter (facket)5 %Shore hardness wire insulation7 c 5 Shore DOuter diameter insulation7 c 5 Shore DDiameter digite wires0.1 mmConductor rops wires insulation7 c 5 Shore DDiameter digite wires0.1 mmConductor rops wires insulation1.24 mm <sup>2</sup> Conductor rops (jacket)5 7.0 km <sup>2</sup> Material conductor wire5 7.0 km <sup>2</sup> Conductor rops (jackator)1.0 INIV DE 028-4Corrient col capacity (fandard)1.0 INIV DE 028-4Corrent tool capacity (fandard)2 kV @ 60 sCorrent tool capacity (fandard)2 kV @ 60 sCorrent tool capacity (fandard)2 kV @ 60 s <td>Installation   Cable</td> <td></td>	Installation   Cable	
Cable Type     3       Jackel Color     gray       Type of Certificate     UHus       Amount stranding     1       Stranding     4 wires kinsted       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,6 g/m       Material jacket     PUR       Shore hardness jacket     90 4 5 Shore A       Freedom from ingredents (jacket)     5,3 m       Tolerance outer diameter (factat)     5 %       Material aveir insulation     1,25 mm       Cable weight     5 %       Material aveir insulation     1,25 mm       Cuber diameter insulation     1,25 mm       Cuber diameter insulation     1,25 %       Shore hardness wire insulation     1,25 %       Shore hardness wire insulation     1,25 %       Durander for singlation     1,25 mm       Cuder diameter insulation     1,25 %       Shore hardness wire insulation     1,25 %       Diameter of	• •	241
Jackat ColorgrayType of CertificatecURusAnount stranding1Stranding4 wires twistedCable shiding (cyoe)copper braid, linnedCable shiding (cyoenage)80 %BandingFleece, Follwire arrangementbrown, black, blue, witeTraversing distance (C-track)5 m @ 25 °C   horizontalCable shiding (cyoenage)80 %Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)18ad-ree, cadinum-free, CPC-free, halogen-free, silicone-freeOuter-diameter (shoath)± 5 %Material jacket90 ± 5 Shore AFreedom from ingredients (jacket)1.25 mmOuter diameter (shoath)± 5 %Material vior insulationPPAnount wices4Outer diameter insulation1.25 smrOuter diameter insulation1.25 Shore DIngredient fueneses wire insulation1.25 Shore DNormal fishand (wire)42Dater diameter insulation1.25 Shore DIngredient fueneses wire insulation1.25 Shore DIngredient fueneses wire insulation1.25 Shore DNormal strands (wire)42Dater diameter of shore add copper wire, bareConductor vippe (wire)strand class 6Outer diameter of shore add copper wire, bareConductor vippe (wire)strand class 6Conductor vippe (wire)strand class 6Conductor vippe (wire)2 kV @ 60 sCorrent dac capacity (standard)10 IN VE 0298-4Corr		
Type of Certificale     cURus       Amount stranding     1       Stranding     4 wires twisted       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weigh     50,8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingrodints (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.3 mm       Outer diameter loanter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Diameter tolerance ore insulation     ± 5 %       Diameter tolerance		
Amount stranding     1       Stranding     4 wires twisted       Cable shielding (type)     coppor braid, timed       Cable shielding (type)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,8 g/m       Material jackt     PUF       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, camium-free, CPC-free, halogen-free, silicone-free       Outer-dimenter (jacket)     ± 5 %       Material jackt     PUF       Amount wires     4       Outer-dimenter (jacket)     ± 5 %       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer dinameter insulation </td <td></td> <td></td>		
Stranding   4 wires twisted     Cable shielding (type)   copper braid, timed     Cable shielding (type)   80 %     Banding   Fleece, Foll     wire arrangement   brown, black, blue, white     Traversing distance (C+rack)   5 m & 26 % C   horizontal     Cable weigth   50.6 g/m     Material jacket   PUF     Shore hardness jackt   90 ± 5 Shore A     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 insulatin   1.40 mc		1
Cable shielding (type)     copper braid, linned       Cable shielding (coverage)     80 %       Banding     Fleese, Fol       wire arrangement     brown, black, blue, white       Traversing distance (Ctrack)     5 m @ 25 °C1 (horizontal       Cable weight     60.6 g/m       Material jacket     PUR       Shore hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     5.3 mm       Outer-diameter (jacket)     5.3 mm       Tolerance outure diameter (sheath)     1.5 %       Material wire insulation     PP       Anount wires     4       Outer diameter (solectin)     1.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter resultation     1.25 mm       Outer diameter trousletion     1.5 %       Shore hardness wire insulation     1.25 mm       Caduct rareace core insulation     1.25 mm       Conduct rareace wire insulation     1.43 %       Shore hardness wire insulation     1.43 mm²       Conductor troe seasection (wire)     0.34 mm²       Conductor troe (wire)     Stranded copaper wire, bare		4 wires twisted
Cable shielding (coverage) 80 %   Banding Fleece, Foll   wire arrangement brown, black, blue, while   Traversing distance (C-track) 5 m @ 25 °C   horizontal   Cable weight 50.5 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-tree, cadmium-tree, CFC-tree, halogen-free, silicone-free   Outer diameter (jacket) 5,3 mm   Tolerance outer diameter (sleater) 5,5 %   Material wire insulation PP   Amount wires 4   Outer diameter (larket) 1.25 mm   Outer diameter tolerance core insulation 1.25 mm   Outer diameter insulation 1.25 mm   Outer diameter (sleave) 0.34 mm <sup>2</sup> Material conductor wire Standed copper wire, Dare   Canductor rowsection (wire) 0.34 mm <sup>2</sup> Material conductor wire Standed copper wire, Dare   Conductor type (wire) stand class 6   Nominal voltage AC max. 300 V   Current load capacity min. wire 4.8 A   Electrical resistance<		copper braid, tinned
Banding     Fleece, Foll       wire arrangement     brown, black, blue, while       Traversing distance (C-track)     5 m (£ 25 °C   horizontal       Cable weight     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tee, cadmium-free, CFC-tree, halogen-free, silicone-free       Outer-diameter (jacket)     lead-tee, cadmium-free, CFC-tree, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     1.5 %       Material wire insulation     PP       Amount wires     4       Outer-diameter trauslation     1.25 mn       Outer diameter insulation     1.25 mn       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 mn       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 mc       Dimperiod single wires     0.1 mm       Conductor type (wire)     0.34 mm <sup>2</sup> Diameter of single wires     0.1 mm       Conductor type (wire)     Strand class 6       Nominal voltage	Cable shielding (coverage)	
wire arrangement     brown, black, blue, while       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     tead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jack     PP       Amount wires     4       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter isolation     1.25 mm       Outer diameter isolation     1.25 mm       Outer diameter isolation     1.25 mm       Outer diameter site isolation     7.0 ± 5 %       Shore hardness wire insulation     7.0 ± 5 %       Shore hardness wire insulation     7.0 ± 5 %       Shore bardness wire insulation     1.25 mm       Outer diameter isolation     1.25 mm       Outer diameter isolation     1.25 mm       Outer diameter of single wires     0,1 mm <t< td=""><td></td><td></td></t<>		
Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter risulation     1.25 mm       Outer diameter risulation     7.0 ± 5 Shore D       Ingredient freeness wire insulation     7.0 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor or sussection (wire)     0.34 mm²       Conductor rosssection (wire)     0.34 mm²       Conductor type (wire)     strandel copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (standard)		
Cable weigh     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter resolution     ± 5 %       Shore hardness wire insulation     125 mm       Outer diameter lolerance core insulation     ± 5 %       Shore hardness wire insulation     10 ± 5 %       Diameter of single wires     0,1 mm       Conductor coresesterion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire)     2 kV @ 60 s       Ac withstand voltage (wire - shield)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Ac withstand voltage (wire - shield)     2 kV @ 60 s	-	
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       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     1.25 mm       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossescion (wire)     0.34 mm <sup>2</sup> Material conductor wire     Strande coper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (min wire     4.8 A       Power frequency withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Ac withstand voltage (wire - shield)	<b>3</b> ( )	
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter rolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.5 %       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 rorssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2 kV @ 60 s       Ac withstand voltage (wire - wire) <t< td=""><td></td><td></td></t<>		
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 lolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   10 ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   124 mm     Amount wires   42     Diameter of single wires   0,14 mm     Conductor crossection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded cooper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     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     Min. operating temperature (inc, dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (inc, dynamic) <t< td=""><td></td><td></td></t<>		
Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Arnount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire 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 cossesction (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wine 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 (staic)     40 °C       Max. operating temperature (staic) </td <td></td> <td></td>		
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     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 crossesection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor torsesection (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Curent load capacity (standard) <t< td=""><td></td><td></td></t<>		
Material wire insulation     PP       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       Conduct type (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conduct type (wire)     strande copper wire, bare       Conduct type (wire)     strandel case 6       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 k/m @ 20 °C       AC withstand voltage (wire - wire)     2 k/ W @ 60 s       Power frequency withstand voltage (wire - shield)     2 k/ W @ 60 s       Min. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -25 °C       Operatin		·
Amount wires4Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor rosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sMat. 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 resistanceGood, application-related testing		
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       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 - iacket)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     UL 1581 § 1100 FT2   U	Amount wires	4
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       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 - iacket)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     UL 1581 § 1100 FT2   U	Outer diameter insulation	1.25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity win- 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 (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperatu	Outer diameter tolerance core insulation	
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 KV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	Shore hardness wire insulation	70 ± 5 Shore D
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 KV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 kV @ 60 sElectrical 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	-	
Conductor cross0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	. ,	0.1 mm
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)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 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	-	0.34 mm <sup>2</sup>
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	. ,	·
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 - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing		
Current 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 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 OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing		300 V
Current 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 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 OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	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     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   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	AC withstand voltage (wire - wire)	
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   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Power frequency withstand voltage (wire - jacket)	
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   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	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     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Operating temperature min. (dynamic)	-25 °C
Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Gasoline resistance Good, application-related testing	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing

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: 2024-05-05



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
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: 2024-05-05