

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

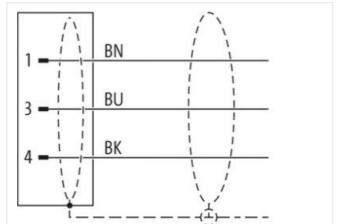
PUR 3x0.34 shielded gy UL/CSA+drag ch. 1.5m

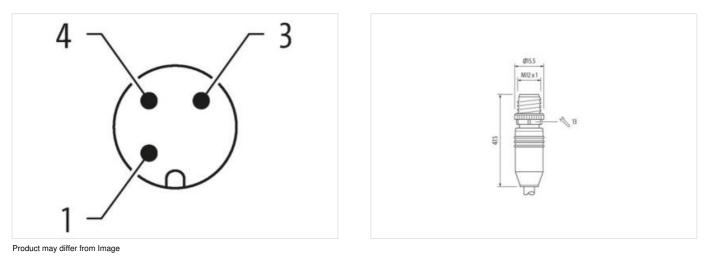
Male straight M12, 3-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Cable length	1,5 m	
Side 1		
Tightening torque	0,6 Nm	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material contact	Copper alloy
Material	PUR
No. of poles	3
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	4048879572828
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	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
	Zinc die-casting

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Important instaliation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on borning radue     Attention: Cheave the permissible bending room.     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Conformity     Freedom control     Protect standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Freedom control     Protect standard       Cable contribution     240     Cable Control     Protect standard       Cable Control     gray     Protect standard     Protect standard       Data Color     gray     Protect standard     Protect standard       Strandard     1     Strandard     Protect standard       Cable strandard     0 % %     Protect standard     Protect standard       Cable strandard     9 %     Protect standard     Protect standardard       Cable strandar	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.45° COperating temperature max.65° CAlteritoric confinemet memperature max.65° CAlteritoric confinemet memperature max.65° CNote on stain reliefProtect the connectors by autable measures from mechanical loads, e.g. by the usage of cable ise.Note on stain reliefProtect the connectors by autable measures from mechanical loads, e.g. by the usage of cable ise.ContornityUNE NOTO 2 101 (M12)Instaination CableUNE NOTO 2 101 (M12)Instaination Cable240Cable identification240Cable identific (corenge)30 %ise twittedCable identific (corenge)30 %ise twittedCable identific (corenge)80 %BandingFloece, FoilMaterial jackat90 * Shore ACable identific (corenge)30 * Shore AFloedometer identific (corenge)50 %Material jackat91 * Shore AFloedometer identific (corenge)50 %Carler identific (corenge)50 %Carler identific (corenge)50 %Carler identific (corenge)50 %Carler identific (corenge)50 %Carl	Environmental characteristics   Climatic	
Operating temperature max     85 °C       Additional condition temperature maye     depending on cable quality       Important instaliation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Additional constrain     Attention: Chearve the permissible bording ruteil when laying cables, e.g. the usage of cable ties.       Contornity     Folder that connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Contornity     Folder that connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Colornity     Folder that connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Colornity     Folder that connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Matterial Cable     Color by the usage of cable ties.       Cable adviction (Cable     DIN EN 61076 2-101 (M12)       Instantion     240       Cable of coling connection of cable description.     240       Cable of coling connection.     240       Cable of coling connection.     240       Cable description.     240       Cable description.     240       Cable description.     240       Cable description. <t< td=""><td>•</td><td>-25 °C</td></t<>	•	-25 °C
Additional condition temperature range     depending on cable quality       Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable los.       Note on bending radius     Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable los.       Material cable     Important Cable       View a rangement     brown, black, blue       Cable identification     240       Cable identification     240       Cable identification     201       Stranding     9 wires twisted       Stranding     1       Stranding     9 wires twisted       Cable identify (type)     0 cooper truid, thread       Cable substring (type)     0 cooper truid, thread       Cable substring (type)     0 cooper truid, thread       Cable weight     4 do yim       Material jacket     PUR       Stranding (type)     5 mm       Cable identify (type)     5 mm       Cable identify (type)     5 mm       Cable identify (type)		
Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on borning radius     Attention: Cheave the permissible bending rules with the hyring cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Forder stand       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     View on block, blue       Cable isonificant     240       Cable isonificant     01/Fus       Arround stranding     1       Stranding     3 wise twated       Cable isonificant     00/Fus       Arround stranding     1       Stranding     1       Cable isonificant     00/Fus       Arround train ingregation     00/Fus       Cable isonificant (coverage)     05 %       Bandrig     1     5 fore A       Freedom from ingregations (coverage)	Additional condition temperature range	depending on cable guality
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending redie by excessive bending forces.       Contornity     Product standard     Dist IN 5107-62-101 (M12)       Installation[Cable     Uses (M12)     Dist IN 5107-62-101 (M12)       Cable identification     240     Cable Cable Cable Cable Cable Cable Cable Cable Standard     Option Cable Ca		
Note on bending radius     Attention: Observe the permissible bending nodi when laying cables, as the IP protection class can be and angrow by oxcessive bending forces.       Contornity     Product standard     DIN EN 1076-2-101 (M12)       Installation   Cable     University     Standard       Vie a rangement     Down, black, blue     Contornity       Cable infinition     240     Contornity       Cable infinition     240     Contornity       Type of Carificate     OL/Rus     Contornity       Stranding     3     Stranding     3       Stranding     Swines twisted     Contornity     Contornity       Stranding     Fleece, Foil     Swines twisted     Contornity       Gabie shelding (type)     copper braid, fineed     Coll     Swines       Cable shelding (type)     copper braid, fi	•	
Note of bendrag faults     endangered by excessive bending forces.       Conformity       Pockat standand     DIN EN 1076-2-101 (M12)       Installation   Cable     Down, black, blue       Cable identification     240       Cable identification     250 set isotista       Branding     34 wires twisted       Cable weight     44 g/m       Material jacket     90 ± 5 Shore A       Freedown Inorn ingredients (jacket)     155 %       Cable weight wei	Note on strain relief	
Product standard     DIN EN 61076-2·101 (M12)       Instantion I Cable     brown, black, blue       Cable identification     240       Cable iterprise     3       Cable iterprise     3       Jackat Color     gray       Type of Cartificate     CURus       Annout stranding     1       Stranding     Syres twisted       Cable shielding (type)     copper braid, linned       Cable shielding (coverage)     80 %       Banding     Floeco, Foll       wire arrangement     brown, black, blue       Cable shielding (coverage)     80 %       Banding     Floeco, Foll       wire arrangement     41 g/m       Katerial jake     PUR       Shore hardness jacket     90 5 Shore A       Freedom from ingredints (jacket)     6 m       Cable shielding (coverage)     80 %       Amount strand     1.5 %       Cuber diameter (isoket)     5 Shore A       Freedom from ingredints (jacket)     5 %       Cuber diameter insulation     1.25 m       Cuber diameter insulation     1.25 m	Note on bending radius	
Installation   Cable       wire arrangement     brown, black, blue       Cable identification     240       Cable identification     240       Cable Type     3       Jacket Color     gray       Type of Cartificate     cURus       Anount stranding     1       Stranding     3 wires twisted       Cable shelding (type)     copper braid, linned       Cable shelding (coverage)     80 %       Banding     Fleeco, Foll       wire arrangement     bown, black, blue       Cable weigh     44 g/m       Material jacket     PUR       Store hardness jacket     90 ± 5 Shore A       Fleecom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter insulation     PP       Anount wires     3       Outer diameter insulation     1.55 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation <td< td=""><td>Conformity</td><td></td></td<>	Conformity	
wire atrangementbrown, black, blueCable inspire240Cable inspire3Cable Type3Cable Type(Particulate)Cable ColorgrayType of CertificateUTUsAnount stranding1Stranding3 wires bristedCable shielding (type)copper braid, finedCable shielding (type)Bo %BandingFleece, Foilwire arrangementbrown, black, blueCable shielding (type)90 %Cable shielding (type)90 %Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)FormCaler englet5 mmTolerance outer diameter (sheath)± 5 %Arrandess wire insulationPPAnnout twise3Outer diameter (sheath)± 5 %Shore hardness wire insulation125 mmOuter diameter swire insulation125 mmOuter diameter swire insulation125 mmOuter diameter swire insulation125 mmOuter diameter swire insulation125 Shore DIngredient freese swire insulation125 mmOuter diameter swire insulation125 mmOuter diameter shere strait wire insulation125 mmOuter diameter strait wire insulation125 mmOuter diameter strait wire insulation125 mm <t< td=""><td>Product standard</td><td>DIN EN 61076-2-101 (M12)</td></t<>	Product standard	DIN EN 61076-2-101 (M12)
Cable identification     240       Cable Type     3       Cable Type     3       Type of Cartificate     cURus       Amount stranding     1       Stranding     3 wires twisted       Cable shiekling (coverage)     80 %       Banding     Floese. Foll       wire arrangement     brown, black, blue       Cable shiekling (coverage)     80 %       Banding     Floese. Foll       wire arrangement     brown, black, blue       Cable weight     44 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmum-free, CFC-free, halogen-free, silicone-free       Outer diameter (shealth)     ± 5 %       Material wrie insulation     PP       Anount wries     3       Outer diameter (shealth)     ± 5 %       Shore hardness wire insulation     1.25 Smr       Duter diameter insulation     1.25 Smr       Duter diameter insulation     1.25 Smr       Canductor yre wire insulation     1.4 S %       Shore hardness 4	Installation   Cable	
Cable identification     240       Cable Type     3       Cable Type     3       Type of Cartificate     cURus       Amount stranding     1       Stranding     3 wires twisted       Cable shiekling (coverage)     80 %       Banding     Floese. Foll       wire arrangement     brown, black, blue       Cable shiekling (coverage)     80 %       Banding     Floese. Foll       wire arrangement     brown, black, blue       Cable weight     44 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmum-free, CFC-free, halogen-free, silicone-free       Outer diameter (shealth)     ± 5 %       Material wrie insulation     PP       Anount wries     3       Outer diameter (shealth)     ± 5 %       Shore hardness wire insulation     1.25 Smr       Duter diameter insulation     1.25 Smr       Duter diameter insulation     1.25 Smr       Canductor yre wire insulation     1.4 S %       Shore hardness 4	wire arrangement	brown black blue
Cable Type     3       Jacket Color     gray       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       Cable shelding (type)     copper braid, tinned       Cable shelding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weigh     44 ym       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredient (jacket)     Is ada-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Anount strands     3       Outer diameter trausation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.42 %       Tamed orderance core insulation     1.45 %       Shore hardness wire insulation     1.45 %       Canductor type (wire)     3.47 m <sup>2</sup> Can	-	
Jacket Color     gray       Type of Certificate     cURus       Annount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %       Banding     Fileeco, Foil       wire arrangement     brown, black, blue       Cable weigth     44 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 m       Tolerance outer diameter (jacket)     5 %       Material wire insulation     PP       Arnount wices     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Canductor review insulation     1.25 mm       Conductor ling wires     0.1 mm       Conductor ling wire insulation     1.47 m <sup>2</sup> Conductor review insulation     1.47 m <sup>2</sup> Conductor review insulation     1.47 mm		
Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       write arrangement     brown, black, blue       Cable weigth     44 g/m       Material jacket     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (facket)     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     1,25 mm       Outer diameter insulation     1,24 mm       Normal Strande (wire)     42       Diameter of single wires     0,1 mm       Conductor trype (wire)     34 mm <sup>2</sup> Conductor type (wire)     strand class 6       Normal voltage A C max.     300 V		
Amount stranding1Stranding3 wires twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, Follwire arrangementbrown, black, blueCable weight44 g/mMaterial jacketPURShore hardness jacket90 $\pm$ 5 Shore AFreedom from ingredients (jacket)lead-tree, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter oce or insulation1,25 mmOuter diameter oce or insulation1,25 mmOuter diameter or lensulation1,5 %Shore hardness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulation142Diameter of single wires0,14 mm²Conductor orxissection (wire)0,24 mm²Material conductor wireStranded copper wire, bareConductor vise5.4 (W @ 60 sNominal vitage AG max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard) <t< td=""><td></td><td></td></t<>		
Stranding     3 wires twisted       Cable shielding (type)     copper traitd, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arangement     brown, black, blue       Cable weigth     44 g/m       Material jackat     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 %       Material jackat     PP       Amount wires     3       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter olerance core insulation     1.25 mm       Outer diameter olerance core insulation     1.25 mm       Outer diameter olerance sore insulation     1.25 mm		
Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weigth     44 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     Isad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     1 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1.25 mm       Dare diameter tolerance core insulation     1.5 %       Shore hardness wire insulation     1.25 %       Dare diameter tolerance core insulation     1.25 %       Diameter tolerance core insulation     1.42 %       Norunt Stands (wire)     42       Diameter of single wires     0,1 mm       Conductor rossection (wire)     0,34 mm²       Canductor type (wire)     strand clase 6       Nominal voltage (wire- wire)     5 A       Electrical resistance line constant wire	<b>U</b>	· · · · · · · · · · · · · · · · · · ·
Cable shielding (coverage)     80 %       Banding     Fleece, Foll       wire arrangement     brown, black, blue       Cable weigh     44 g/m       Material jacket     PUR       Shore hardness jackat     90 ± 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 %       Material wire insulation     PP       Armount wires     3       Outer diameter lolerance core insulation     1.25 mm       Outer diameter (wire)     4 2       Diameter of single wires     0,1 mm       Conductor tyres     Strande Cass 6       Nominal voltage AC max.     300 V       Current load capacity (slandard)     D DIN VDE 0298-		
Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weigth     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       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Diametor disingle wires     0.1 mm       Conductor crosssection (wire)     0.34 mm <sup>2</sup> Diametor disingle wires     0.1 mm       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 <td></td> <td></td>		
wire arrangementbrown, black, blueCable weigth44 g/mMaterial jacketPURMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter lolerance core insulation1.25 mmOuter diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation104 ± 5Outer diameter tolerance core insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor wire5 7 Ω/km @ 20 °CCurrent load capacity (standard)to IN VDE 0298-4Current load capacity (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - sile)2 kV @ 60 sAc withstand voltage (wire - sile)2 kV @ 60 sAc withstand voltage (wire - sile)2 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation		
Cable weight44 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount Wires3Outer diameter tolerance core insulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wire5 $\Omega$ LW @ 20 °CAcwithstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - sile()40 °CMax. operating temperature (fixed)40 °CQuerating temperature (stale)40 °CAc withstand voltage (wire - sile()2 kV @ 60 sPower frequency withstand voltage (wire - sile()40 °CMax. operating temperature (fixed)40 °C (2 00000 h OperationOperation temperature max. (dynamic)60 °C / 90 °C @ 10000 h Operation		·
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter risulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor rowStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStrande class 6Nominal voltage AC max.300 VCurrent load capacity (int, wire)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - siled)2 kV @ 60 sAc withstand voltage (wire - shield)2 kV @ 60 sMaterial reperature (fixed)80 °C / 90 °C @ 10000 h OperationOperation gremperature max. (dynamic)86 °C / 90 °C @ 10000 h Operation	-	
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 mm       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     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1/25 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strinds (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 withstand voltage (wire - free action ac		-
Freedom from ingredients (jacket)   lead-free, 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 tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor cosssection (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 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     Min. operating temperature (static)   -40 °C     Max. operating		-
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 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 min. wire   6 A     Electrical resistance line constant wire   57 QJkm @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   40 °C     Max. operating temperature (static)   40 °C     Max. operating		
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     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 rosssection (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 win. wire   6 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 (static)   40 °C     Max. operating temperature (static)   40 °C     Mix. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Op	, , , , , , , , , , , , , , , , , , ,	
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       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 (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     2 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     2 kV @ 60 s       Min. operating temperature (fixed)     2 kV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (min. (dynamic))     -25 °C       Operating temperature min. (dynamic)     -25 °C	•	
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Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard voltage (wire - side)     2 kV @ 60 s <t< td=""><td>Amount wires</td><td>3</td></t<>	Amount wires	3
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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 min. wire   6 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation		
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Current load capacity min. wire   6 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation	Current load capacity (standard)	
AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation	Current load capacity min. wire	6 A
AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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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	Power frequency withstand voltage (wire - jacket)	
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Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic) 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

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: 2024-06-26



chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	DIN EN 60811-404   Good, application-related testing	
Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
No. of bending cycles (C-track)	5 Mio. @ 25 °C	
Traversing distance (C-track)	5 m @ 25 °C   horizontal	
Travel speed (C-track)	3,3 m/s @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	

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