

## M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 10m

Art.No.: 7000-88261-6301000 Weight: 0.252 Country of origin: US Model designation: MSDL0-H-R630 10.0

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

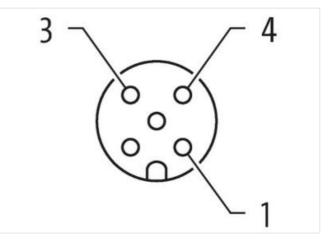
If you are missing technical information? Please feel free to use our <u>dictionary</u> to find more technical details.

Product details: Male straight – female 90° M8 – M12, 3-pole M12, A-coded Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

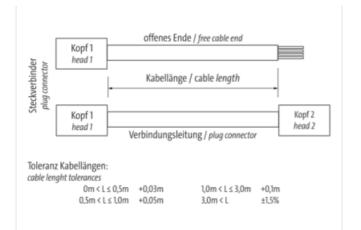
## Illustration

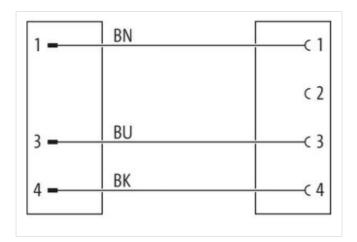


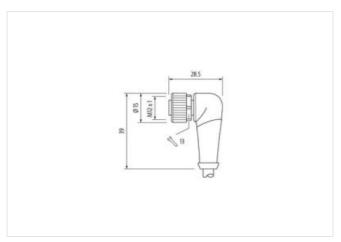


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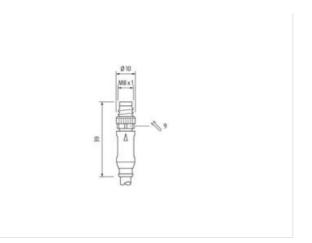


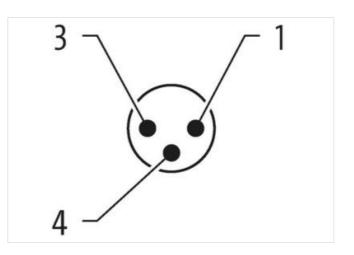
Product may differ from Image



Cable length 10 m Side 1 **Tightening torque** 0,4 Nm

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	Α
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
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
customs tariff number	85444290
EAN	4048879122474
EAN	4048879122474
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
	44
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Material housing	PUR
Coating locking	Nickeled
Material gasket	FKM
	utmost care

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Hecknanical data   Mounting data       Mounting method     Inserted, screwed, Shaling protection       Operating temperature max.     80 °C       Operating temperature max.     80 °C       Additional condition temperiture rank     80 °C       Additional condition temperiture rank     80 °C       Important installation none     epending on cable quality       Important installation none     endening radius       Note on string radius     Protect teoreneor by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Note on string radius     Protect teoreneor benefities radius radius radius when laying cables, as the UP protection class can be endingered by oxeesaive benefing forces.       Caloninity     Protect standard     DNE NE 1076-2-101 (M12), DNE NE 1076-2-114 (MB)       Installation Cable     Wite arrangement     Force, Nilock, blue       Cable Infinition     630     Cables Toppe     3       Stranding     1     Stranding     Stranding       Stranding     9 Wite Stranding     Stranding     Stranding       Stranding     3 Wite Stranding     Stranding     Stranding       Stranding     3 Wite Strandis     Stranding     Stranding	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatics     Image: Climatics   Climatics       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Important Installation notes       Note on train relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.       Conformity     Attention: Characteristics be anding radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Freedowt Statistics       Product standard     DIN EN 81076-2101 (M12), DIN EN 61078-2114 (M8)       Installation ( Cable     Wire arrangement       Wire arrangement     Boom, black, blue       Cable (Applic)     3       Stackel Coler     Back       Type of Cartificate     Clifusa       Anount stranding     1       Stranding     90 ± 5 Shore A       Freedom from ingredient [ galexet]     Used-free, cadmium-ree, CFC-free, halogen-free, sillcone-free       Cuter diameter (rinalution     PP       Amount strandie     1 ± 5 %.       Cuter diameter (rinalution)	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temperature man.     30 °C       Addition condition temperature map.     depending on cable quality       Important Installation noise     Material condition temperature range       Note on stain raife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on testin raife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Conformity     DBN EN 61078-2-101 (M12), DN EN 61078-2-114 (M8)       Imstallation (Cable     brown, black, blue       Cole identification     630       Cole identification     630       Cole identification     040ks       Amount stranding     1       Stranding     9 wites twited       wire arrangement     brown, black, blue       Cable weigh     2.6.4 gim       Material wire ingredents (lakek)     9 UB       Stranding     1 Stranding       Tolerance outure diameter (lakek)     2 S %       Cole identifier (lakek)     2 S %       Outer diameter (l	· · · · ·	inserted, screwed. Shaking protection
Operating temperature max.30 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityimportant installation notesProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.Note on strain reliefDNE No 51076-2101 (M12), DNE No 51076-2114 (M8)Installation (CableDNE No 51076-2101 (M12), DNE No 51076-2114 (M8)Installation (CableDNE No 51076-2101 (M12), DNE No 51076-2114 (M8)Installation (CableSouth Cable dentificationCable Identification650Cable Identification650Stranding3 wires twistedWire arrangementbrown, black, blueCable weight Identification25.4 g/mMaterial picket90 5 5 Shore AFreedom from ingredients (jacket)15.5Material wei insulation15 %Outer diameter (insult)15 %Material wei insulation70 ± 5 Shore DCarreet outer diameter (insult)15 %Carreet outer diameter (insult)15 %Carreet outer diameter (insu	-	
Operating temperature max.     85 °C       Additional condition temperature maps     depending on cable quality       Important installation notes     Mole on strain rollof       Note on bending radius     Attrition: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Conformity     Endemotion of the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Conformity     Endemotion of the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Conformity     Endemotion of the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Color     DNE N5 (076-2-101 (M12), DNE N6 1076-2-114 (M8)       Installation ( Cable     Endemotion of the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Cable Contribution     DNE N5 (076-2-101 (M12), DNE N6 1076-2-114 (M8)       Installation ( Cable     Endef the connectors by sublet classical cables cables the connectors by sublet classical cables cables the connectors by sublet classical cables cables the connector classical cables cables cables the connector classical cables cables cables cables cables the connector classical cables	· ·	00.00
Additional condition temperature range     depending on cable quality       Important installation noiss     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Conformity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation Cable     Installation Cable     Installation Cable       Weie arrangement     brown, black, blue     Cable Topp       Cable Topp     3     Cable Color       Jacked Color     black     Top Cortificate       Type of Cortificate     URus     Cable Topp       Additional gast     3 virous twisted     Virous       Cable weight     26,4 gm     Material jacket       Outer diameter (selext)     12,5 %     Virous Standard       Tolerance outer diameter (sheath)     1,5 %     Virous Standard       Outer diameter (sheath)     1,5 %     Virous Standard       Outer diameter (sheath)     1,5 %     Virous Standard       Virous Standard Standard     70 ± 5 %     Virous Standard       Outer diameter (sheath)		
Important installation noise     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies,       Note on bending radius     Attention: Observe the permisable bending all when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Dire Dot Standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation ( Cable     wire arrangement       brown, black, blue     Coble Identification       Cable Identification     530       Cable Identification     530       Cable Identification     530       Type of Certificate     cURus       Amount stranding     1       Store hardness jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     PUR       Amount standing     1, mm       Tolerance outer diameter (shorth)     1.5 %       Material Jacket Shore A     Freedom from ingredients (jacket)       User Jacket Shore A     Freedom from ingredients (jacket)       User Jacket Shore A     Freedom from ingredients (jacket)       Tolerance subcket Gabeta     9.5		
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by accessive banding forces.       Contromity     Product standard       Product standard     DIN EN 61076-2-101 (M2), DIN EN 61076-2-114 (M8)       Installation [Cable     Wire arrangement     Drown, black, blue       Cable Topp     3       Jacket Color     Black     Dinter 1000000000000000000000000000000000000		depending on cable quality
Note on bending radius     Attention: Observe the permissible bending tradit when laying cables, as the IP protection class can be endangered by excessive bending torces.       Conformity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Unexpected by excessive bending torces.       Wei errangement     brown, black, blue       Cable identification     630       Amount stranding     1       Stranding     3 wires twisted       Wire arrangement     brown, black, blue       Cable weight     6.4 g/m       Material jacket     PUR       Shore hardness jacket     90 is 5 Shore A       Freedom from ingredient (stacket)     4.1 mm       Tolerance outer idameter (saletion)     4.2 sm       Outer diameter insulation     1.2 sm       Outer diameter loseanton     1.2 smm	Important installation notes	
Note of bertoining radius     endangered by excessive bending forces.       Contormity       Product standard     DIN EN 61076-2-011 (M12), DIN EN 61076-2-114 (M6)       Instaliation   Cable     brown, black, blue       Cable identification     630       Cable identification     630       Cable identification     630       Cable identification     630       Cable Type     3       Jacket Color     black       Type of Certification     Culfus       Amount stranding     1       Stranding     sives twisted       Wrie arrangement     Drown, black, blue       Cable weighth     26.4 g/m       Material jacket     91.8 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     1.5 %       Material wire insulation     1.25 mm       Outer diameter (jacket)     1.4 5 Shore D       Ingredient freeness wire insulation     1.4 5 Shore D       Ingredient freeness wire insulation     2.4 5 Shore D       Outer diameter fuelewires     0.1 nm       Conductor ty	Note on strain relief	
Product standardDIN EN 61076-2·101 (M12), DIN EN 61076-2·114 (M8)Installation ( Sabiwite arrangementbrown, black, blueCabie / Sabie /	Note on bending radius	
Installation   Cablo       wire arrangement     brown, black, blue       Cable Identification     630       Cable Identification     630       Cable Type     3       Jacket Color     black       Type of Cortificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26, 4 grin       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     14.1 mm       Tolerance outer diameter (seatt)     4.1 mm       Tolerance outer diameter (seatt)     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 %       Diameter of single wires     0.1 mm       Conductor transect tories of the Stranded copper wire, bare     Conductor type (wire)       Outer diameter (seatt)     4.5 %       Diameter of single wires     0.1 mm       Conductor type (wire)     322	Conformity	
wire arrangementbrown, black, blueCable (dentification630Cable Type3Jacket ColorblackType of CortificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable vergint26,4 g mMaterial JacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmToferance outer diameter (sheath)± 5 %Material usitionPPAmount stranding1,25 mmOuter diameter (sheath)± 5 %Material vire insulationPPAmount wires3Outer diameter (sheath)± 5 %Material wire insulation70 ± 5 Shore DIngredient free, camium-free, CFC-free, halogen-free, silicone-freeOuter diameter insulation1,25 mmOuter diameter (sheath)± 5 %Material wire insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conclustor wire0,02 mm²Conductor wire0,02 mm²Conductor wire0,02 mm²Conductor wire5,5 AConductor wire5,5 AConductor wire300 VConductor wire5,5 AConductor wire0,25 mm²Material conductor wire5,5 AConductor wire5,5 A<	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification   630     Cable identification   630     Cable identification   530     Cable Cor   black     Type of Certificate   cuRus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   26,4 g/m     Material jackt   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   4.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material low insulation   PP     Amount wires   3     Outer diameter lolerance core insulation   1,25 mm     Outer diameter lolerance core insulation   1,25 mm     Outer diameter lolerance core insulation   1,25 mm     Outer diameter insulation   1,25 mm     Conductor orsessection (wire)   0,25 m	Installation   Cable	
Cable identification   630     Cable identification   630     Cable identification   530     Cable Cor   black     Type of Certificate   cuRus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   26,4 g/m     Material jackt   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   4.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material low insulation   PP     Amount wires   3     Outer diameter lolerance core insulation   1,25 mm     Outer diameter lolerance core insulation   1,25 mm     Outer diameter lolerance core insulation   1,25 mm     Outer diameter insulation   1,25 mm     Conductor orsessection (wire)   0,25 m	wire arrangement	brown, black, blue
Cable Type   3     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigh   26,4 g m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   4,1 mm     Tolerance outer diameter (sheath)   1 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm     Conductor yice   0.1 mm     Conductor yice (wire)   0.25 mm²     Material ingle wires   0.1 mm     Conductor yice (wire)   0.25 mm²     Material conductor wire   Straded cooper wire, bare     Conductor yice (wire)   0.25 mm² <td></td> <td></td>		
Jacket Color black   Type of Certificate cURus   Amount stranding 1   Stranding 3 wires twisted   wire arrangement brown, black, blue   Cable weighh 26,4 g/m   Material jacket PUR   Shore hardness jacket 90.4 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-Giameter (jacket) 4.1 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 3   Outer diameter tolerance core insulation 1.25 mm   Outer diameter tolerance core insulation 1.25 km   Outer diameter tolerance core insulation 1.25 km   Outer diameter of single wires 0,1 mm   Conductor wire 32   Diameter of single wires 0,1 mm   Conductor wire Strande copper wire, bare   Conductor wire Strand class 6   Nominal voltage AC max 300 V   Current load capacity (standard) to DIN VDE 0284.4   Current		
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material vire insulationPPAmount wires3Outer diameter tolerance ore insulation1,25 mmOuter diameter losenation70 ± 5 Shore DIngredient feeness wire insulation70 ± 5 Shore DIngredient feeness wire insulation70 ± 5 Shore DIngredient feeness wire insulation70 ± 5 Shore DIngredient feeness wire insulation3 2Dlameter of single wires0,1 mmConductor vireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor vire2,5 KV @ 60 sNominal voltage AC max.200 VCurrent load capacity with aviter2,5 KV @ 60 sPower frequency withstand voltage (wire- iacket)2,5 KV @ 60 sPower frequency withstand voltage (wire- iacket)2,5 KV @ 60 sMax. operating temperature (max)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)45 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationOpera		
Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   26,4 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)   4.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 %     Shore hardness wire insulation   70 ± 5 % hore D     Ingredient freeness wire insulation   1,25 mm     Outer diameter of single wires   0,1 nm     Conductor cossection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strande copper wire, bare     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard) voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s	Type of Certificate	cURus
wire arrangement     brown, black, blue       Cable weigth     25,4 g/m       Material Jacket     PUR       Material Jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.1 mm       Tolerance outer (jacket)     4.1 mm       Tolerance outer (jacket)     4.5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 ± 5 %       Material wire of single wires     0,1 mm       Conductor rossection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor rossection (wire)     0,25 mm²       Mount 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)     2,5 kV @ 60 s       Min	Amount stranding	1
Cable weight   26,4 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 (acket)   4,1 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   1,25 %     Shore hardness wire insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter of single wires   0,1 mm     Conductor wire   Stranded copper wire, bare     Conductor wire   Stranded copper wire, bare     Conductor wire   Stranded copper wire, bare     Conductor wire   Strande copper wire, bare <td>Stranding</td> <td>3 wires twisted</td>	Stranding	3 wires twisted
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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     1,25 mm       Outer diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Diameter of single wires     0,1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win. wire     4,5 A       Electrical resistance line constant	wire arrangement	brown, black, blue
Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   125 Shore D     Maount strands (wire)   32     Diameter of single 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     Current load capacity wink wire   4,5 A     Electrical resistance line constant wire   79 0/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   125 Smm     Conductor crosssection (wire)   32     Diameter of single wires   0,1 mm     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copset wire, bare     Conductor vire   Stranded copset wire, bare     Conductor vire (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - also s)   2,5 kV @ 60 s     Nominal voltage (wire - wire)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Material jacket	PUR
Outer-diameter (jacket)   4,1 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   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 nm     Conductor crosssection (wire)   0,25 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nomial 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 - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   40 °C     Max. operating temperature (istel)   -40 °C     Max. operating temperature (ifted)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor vive   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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - 2,5 kV @ 60 s     Power frequency withstand voltage (wire - 2,5 cV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Mar. operatin	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter 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)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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 (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - gistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (min. (dynamic)   -25 °C     Operating temperature min. (d	Outer-diameter (jacket)	4,1 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire- jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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 (wire - wire)2,5 kV @ 60 sAC withstand voltage (wire - wire)2,5 kV @ 60 sJacket)	Material wire insulation	PP
Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inclust)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inclust)   2,5 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 min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000 [ UL 1581 § 1100 FT2 ] IEC 60332-2-2	Amount wires	3
Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - igacket)   .40 °C     Max. operating temperature (static)   .40 °C     Max. operating temperature min. (dynamic)   .25 °C     Operating temperature min. (dynamic)   .25 °C     Operating temperature max. (dynamic)   .25 °C     Operating temperature max. (dynamic)   .80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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 min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100   UL 1581 § 1100 FT2   IEC 60332-2-2	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iscket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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)4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,25 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 (min. wire)4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2	Amount strands (wire)	32
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. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2		
Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
Electrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
jacket) 2,5 kV @ 60 s   Min. operating temperature (static) -40 °C   Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation   Operating temperature min. (dynamic) -25 °C   Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation   UV resistance DIN EN ISO 4892-2 A   Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	jacket)	
Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
UV resistance     DIN EN ISO 4892-2 A       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		
cnemical resistance Good, application-related testing		
	cnemical 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: 2025-08-04



Good, application-related testing Gasoline resistance Oil resistance Good, application-related testing | DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C | horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. **Torsion stress** ± 180 °/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: 2025-08-04