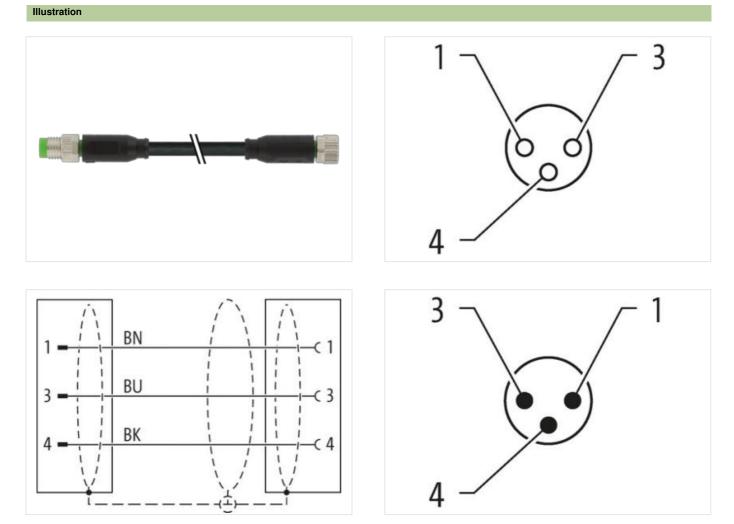


## M8 male $0^\circ$ / M8 female $0^\circ$ A-cod. shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 2m

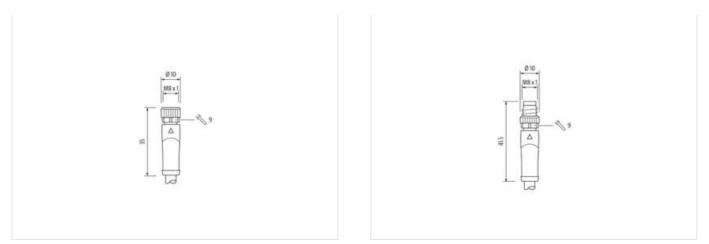
Male straight – female straight M8 – M8, 3-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



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: 2024-05-19





Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Thread	M8 x 1
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	4048879440066
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 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
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed

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: 2024-05-19



Material group (IEC 60064.1)     I       Mechanical data [Material data     Vertified       Contring tooking     Nickeloid       Mechanical data [Mounting data     Zine do casting       Mechanical data [Mounting data     Vertified casting protection       Environmental characteristics [Climat     Poperating tomprature max.     85 °C       Operating tomprature max.     85 °C     Additional condition network or environd to equatify       Important Institution notes     Protect the connectors by subtate measures from mechanical toads, e.g. by the usage of cable lies.       Note on drain role     Attention: Observe the pominisable bording radii whon laying cables, as the IP protection datas can be ending readus       Product standard     Dik EN 61076-2-114 (M8)       Important Institution notes     Vertified The connectors by subtate measures from mechanical toads, e.g. by the usage of cable lies.       Cabler     Naterial condition readus     Attention: Observe the pominisable bording radii whon laying cables, e.g. by the usage of cable lies.       Cable down drain role     Dik EN 61076-2-114 (M8)     Mechanical toat toa in the pomentical to acting the measures from mechanical toads, e.g. by the usage of cable lies.       Cable down drain     Sinon     Sinon     Cable down drain       Dik EN 61076-2-114 (M8) <td< th=""><th>Pollution Degree</th><th>3</th></td<>	Pollution Degree	3
Nechanical data   Material dataConting lockingPURLocking materialZinc die-assingMaterial localing materialZinc die-assingMunding mathoInserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticSinc ContinueEnvironmental characteristics   ClimaticSinc ContinueEnvironmental characteristics   ClimaticBin ContinueEnvironmental continue materialBin ContinueEnvironmental continue materialBin ContinuePotential tradition onceEnvironmental characteristics   ClimaticEnvironmental characteristics   ClimaticProtect the connectors by suitable measures from machanical loads, a.g. by the usage of cable lise.Note on banding radiusProtect the connectors by suitable measures from machanical loads, a.g. by the usage of cable lise.Potoch staradiusOther Strong	Rated surge voltage	1,5 kV
Caching lockingNikoleidMaterial bousingPURCaching materialZin die-aatingMaching locking materialInsertut, screwed, Shaking protectionExtremental characteristics [ClimaticEnsertut, screwed, Shaking protectionOperating temperature min.45 °COperating temperature min.45 °COperating temperature min.85 °CAdditional condition temperature maydepending on cable qualityInstruction translation notesMaterial bound on cable qualityNote on bacing radiusAttention: Observe the permisable bending radiu when faying cables, as the IP protection datas can be ording uradiu when faying cables, as the IP protection datas can be ording uradiu by accessive bonding forces.ContomityInstruction: Observe the permisable bending radiu when faying cables, as the IP protection datas can be ording uradiu by accessive bonding forces.ContomityInstruction: Observe the permisable bending radiu when faying cables, as the IP protection datas can be ording uradiu by accessive bonding forces.ContomityInstruction: Observe the permisable bending radiu by a faying cables, as the IP protection datas can be ording uradiu by accessive bonding forces.ContomityInstruction: Observe the permisable bending radii by a faying cables, as the IP protection datas can be ording uradii by a faying cables, as the IP protection datas can be ording uradii by a faying cables, as the IP protection datas can be ording uradii by a faying cables, as the IP protection datas can be ording uradii by a faying cables, as the IP protection datas can be ording uradii by a faying cables, as the IP protection data cables, as the IP protection datas cable bending cables, as the IP protection	Material group (IEC 60664-1)	Ι
Material housing     PUF       Locking material     Znc die-casing       Mechanical dial [Mouring data     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating tegmenyme min.     25 °C       Operating tegmenyme min.     25 °C     Additional condition temperature may.     25 °C       Additional condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Material condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Material condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Note on strain reliel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.     Attention: Observe the permissible bending forces.       Endermity     Protect the connectors by suitable measures from mechanical loads, s.g. by the usage of cable lies.     Additional Cable is forced the subset of t	Mechanical data   Material data	
Material housing     PUF       Locking material     Znc die-casing       Mechanical dial [Mouring data     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating tegmenyme min.     25 °C       Operating tegmenyme min.     25 °C     Additional condition temperature may.     25 °C       Additional condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Material condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Material condition temperature may.     25 °C     Additional condition temperature may.     25 °C       Note on strain reliel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.     Attention: Observe the permissible bending forces.       Endermity     Protect the connectors by suitable measures from mechanical loads, s.g. by the usage of cable lies.     Additional Cable is forced the subset of t	Coating locking	Nickeled
Locking material     Zinc die casiing       Mechanical data [Nourning data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic       Operating temperature min.     25 °C       Operating temperature min.     25 °C       Additional conflictor temperature min.     disponding on cable quality       Important installation notes     Important installation notes       Nate on strain relid     Protect the connectors by subble measures from mochanical loads, e.g. by the usage of cable lise.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entrangered by excessive bending forces.       Conformity     Environ.       Product standard     DIN EN 61075-2114 (M8)       Installation [Cable     Environ.       Unit casion     640       Cable Type     3       Scheen Cable identification     640       Cable identification     Gable Colo       Scheen Bedding (type)     Oopper braid, fined       Cable identification     Gable Type       Scheen Standing     Sives tweated       Cable identification     Gable Attentidentificatidentification       Cab		PUR
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     25 °C       Operating temperature max.     26 °C       Additional condition temperature maya     depending on cable quality       Important Installation notes     Environmental characteristics [Climatic       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Environmental characteristics [Climatic     Characteristics [Climatic       Vision obording radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible permania tradiin the protection class can be and the protection clas	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     25 °C       Operating temperature max.     26 °C       Additional condition temperature maya     depending on cable quality       Important Installation notes     Environmental characteristics [Climatic       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Environmental characteristics [Climatic     Characteristics [Climatic       Vision obording radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible bending radii when laying cables, as the IP protection class can be and and environ the permissible permania tradiin the protection class can be and the protection clas	ç	
Environmental characteristics   Climatic     Constraint     Set C       Operating temperature max.     85 °C     Additional condition temperature rank     Model Constraint       Additional condition temperature rank     85 °C     Additional condition temperature rank     Model Constraint       Important installation notes     Protect the connectors by subble measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Fordext standard     DIN EN 61076-2114 (MS)       Installation I Cable     UNE No 1076-2114 (MS)     Standard       Cable disentification     640     Cable Cabl		inserted, screwed. Shaking protection
Operating temperature min.     25 °C       Operating temperature max.     65 °C       Addinal condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable leas.       Nate on strain relief     Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable leas.       Conternity     Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable leas.       Example     DIN EN 61076-2-114 (M8)       Installation ICable     usage of cable leas.       With a magnement     Frown, black, blue       Cable identification     640       Cable IColor     Baak       Type of Cartificat     URIus       Anount stranding     1       Stranding     Swites twisted       Cable shielding (top)     Cooper braid, timned       Cable shielding (towarage)     80 %       Stranding     Pleace, Foil       Wite arrangement     brown, black, blue       Cable shielding (towarage)     80 %       Banding     Pleace, Foil       Wite arrangement     brown, black, blue </td <td>-</td> <td></td>	-	
Operating tomperature max.     85 °C       Additional condition temperature mape     depending on cable quality       Important installation notes     Note on strain relat       Note on strain relat     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangeed by excessive bending forces.       Contornity     The 61076-2-114 (M8)       Installation (Cable     Town, black, blue       Cable identification     640       Cable identification     640       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Armout stranding     1       Stranding     3 wires twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weight     4	•	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 ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       DIN EN 61076 2-114 (M8)     Installation I Cable       Installation I Cable     Units Note, blue       Cable identification     640       Cable identification     640       Cable Type     3       Jackat Color     black       Type of Carlifate     CURus       Annount stranding     1       Stranding     3 wires twisted       Cable shelding (type)     coper briad, tinned       Cable shelding (type)     comera		
Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending fores.       Conternity     Product standard       Distallation (Cable     IN EN 61076-2-114 (M8)       Installation (Cable     Distallation (Cable Cable)       wire arrangement     brown, black, blue       Cable forpe     3       Jacken Color     black       Type of Certificate     CURus       Anount stranding     1       Stranding     3 wires twisted       Cable stretching (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable shelding (type)     coper braid, timed       Cable shelding (type)     So %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weight day firm     Material jacket       PUR     Strandines jacket       Strandines jacket     90 ± 5 Shore A       Freedom from ingredients (jackel) <td< td=""><td></td><td></td></td<>		
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive bending fradit when laying cables, as the IP protection class can be endangered by excessive by excessive by decision fradit when laying cables, as the IP protection class can be excessive by decision for the excession of t		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Centormity       Product standard     DIN EN 61076-2-114 (M8)       Installizioni (Cable       wire arrangement     brown, black, blue       Cable identification     640       Cable identification     640       Cable identification     640       Cable identification     0HVB.       Amount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     cooper braid, finned       Cable shielding (coverage)     80 %       Banding     Fleeco, Foil       wire arrangement     brown, black, blue       Cable weight     44 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (iscket)     5 %       Cable relight     42 Sm       Autorital identifies insulation     125 Sm       Outer diameter insulation     125 Sm       Outer diameter insulation     125 Sm       Outer diameter insulat	Important installation notes	
Note of the function     endangered by excessive bending forces.       Contermity       Product standard     DIN EN 61076-2-114 (M8)       Installation [Cabbe     United for the function of the func	Note on strain relief	
Product standard     DIN EN 61076-2-114 (M8)       Installation (Cable       wire arangement     brown, black, blue       Cable identification     640       Cable identification     640       Cable identification     640       Cable Type     3       Jacket Coor     black       Type of Corfficate     cull Rus       Anount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arangement     brown, black, blue       Cable weight     44 g/m       Material jacket     PUR       Shore A     Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (slack1)     125 mm     Smoothere     silicone-free       Outer diameter (slack1)     125 mm     Smoothere     silicone-free       Outer diameter (slack1)     125 mm     Smoothere     silicone-free       Outer diameter (slack1)     5 %     Smoothere     sil	Note on bending radius	
Installation   Cable       wire arrangement     brown, black, blue       Cable identification     640       Cable identification     640       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     overse building (type)       Cable shielding (type)     copper braid, finned       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)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     125 %       Shore hardness wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 Shore D       Ingr	Conformity	
wire arrangement     brown, black, blue       Cable identification     640       Cable identification     640       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       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 ingredientis (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5 m       Tolerance outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     PP       Amount wires     3       Outer diameter risulation     1.25 rum       Outer diameter insulation     1.25 rum       Outer diameter insulation     1.25 rum       Ingredient freeness wire insulation     1.25 rum	Product standard	DIN EN 61076-2-114 (M8)
Cable identification640Cable identificationblackCable Type3Jacket ColorblackType of CertificatecJRusAmount stranding1Stranding3 wires twistedCable shielding (type)copper braid, timedCable shielding (coverage)80 %BandingFleece, Foilwire arrangementbrown, black, blueCable shielding (coverage)90 $\pm$ 5 Shore AShore hardness jacket90 $\pm$ 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath) $\pm$ 5 %Amount wire insulationPPAmount wire insulation1.25 mmOuter diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation1.25 Shore DIngredient freeness wire insulation1.25 Shore DIngredient freeness wire insulation1.45 %Outer diameter of single wires0,1 mmConductor orsessection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande coper wire, ba	Installation   Cable	
Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, Foilwire arrangementbrown, black, blueCable weigth44 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)5 mmTolerace outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPAmount wires3Outer diameter (sheath) $\pm 5 \%$ Shore hardness wire insulation25 Shore DIngredients (jacket)5 mmCuter diameter insulation25 Shore DIngredient (sheath) $\pm 5 \%$ Shore hardness wire insulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation1.25 smOuter diameter insulation1.25 smShore hardness wire insulation1.25 Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor trasssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor trasssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor trasssection (wire)<	wire arrangement	brown, black, blue
Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weight     44 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from lingredients (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 insulation     1,25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     10 ± 5 %       Diameter of single wires     0,1 mm       Conductor consection (wire)     0,24 mm²       Material conductor wire     Stranded copper wire, bare       Conductor trossescli	Cable identification	640
Type of CertificatecURusAmount stranding1Stranding3 wires twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %.BandingFleece, Foilwire arrangementbrown, black, blueCable weigth44 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 javie insulationPPAmount wires3Outer diameter insulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient ferences wire insulation70 ± 5 Shore DIngredient frees swire insulation10 ± 5 Shore D	Cable Type	3
Amount stranding   1     Atronding   3 wires twisted     Cable shielding (type)   copper braid, tinned     Cable shielding (coverage)   80 %     Banding   Fleece, Foll     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 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter tolerance core insulation   1.25 mm     Outer of single wires   0.1 mm     Conductor cossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor typ	Jacket Color	black
Stranding   3 wires twisted     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)   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 tolerance core insulation   ± 5 %     Shore bardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   42     Diameter of single wires   0,1 mm     Conductor corssection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (min, wire   6 A	Type of Certificate	cURus
Cable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, Follwire arangementbrown, black, blueCable weigth44 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 jarket insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.24 mmIngredient freeness wire insulation1.24 mmIngredient freeness wire insulation1.24 mmConductor vires0.14 mm²Canductor vire5.34 mm²Material conductor wire\$tranded copper wire, bareConductor type (wire)\$trande copper wire, bareConductor type (wire)\$trande copper wire, bareConductor type (wire)\$tranded copper wire, bareConductor type (wire)\$tranded copper wire, bareConductor type (wire) </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable shielding (coverage)80 %BandingFleece, Foilwire arrangementbrown, black, blueCable weigth44 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 ocre insulation1,25 mmOuter diameter tolerance ocre insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulationketDater 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 min. wire6 A	Stranding	3 wires twisted
BandingFleece, Foilwire arrangementbrown, black, blueCable weigth44 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 lolerance core 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 orsssection (wire)0,34 mm²Material conductor wireStrande copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 A	Cable shielding (type)	copper braid, tinned
wire arangementbrown, black, blueCable weigth44 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 tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness 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 coressection (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 min. wire6 A	Cable shielding (coverage)	80 %
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 tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness 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 coressection (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 min. wire6 A	Banding	Fleece, Foil
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 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     70 ± 5 Shore D       Ingredient freeness wire insulation     10 ± 5 Shore D       Ingredient freeness wire insulation     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Strande 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	wire arrangement	brown, black, blue
Shore 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 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)42Diameter of single wires0,1 mmConductor crossection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300	Cable weigth	44 g/m
Freedom 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 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)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 min. wire6 A	Material jacket	PUR
Outer-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount 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)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)6 A	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor 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. wire6 A	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)     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	Outer-diameter (jacket)	5 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)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 min. wire6 A	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)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 min. wire6 A	Material wire insulation	PP
Outer 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)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 min. wire6 A	Amount wires	3
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 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 min. wire6 A	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 min. wire6 A	Outer diameter tolerance core insulation	± 5 %
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 min. wire6 A	Shore hardness wire insulation	70 ± 5 Shore D
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 min. wire6 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor 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 min. wire6 A	Amount strands (wire)	42
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	Diameter of single wires	
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 A	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 A	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 6 A	Conductor type (wire)	
Current load capacity min. wire 6 A	Nominal voltage AC max.	300 V
	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 57 Ω/km @ 20 °C	Current load capacity min. wire	6 A
	Electrical resistance line constant wire	57 Ω/km @ 20 °C

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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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
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)	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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