

## M12 male 90° / M8 female 90° A-cod.

PUR 3x0.25 ye UL/CSA 2m

## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male 90° - female 90°

M12 – M8, 3-pole

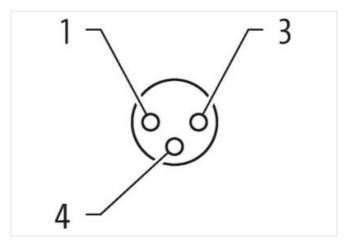
Plastic housings with good resistance against chemicals and oils.

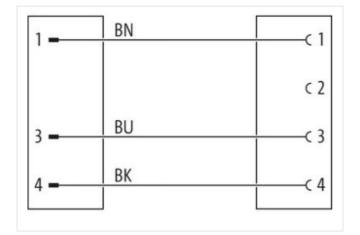
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

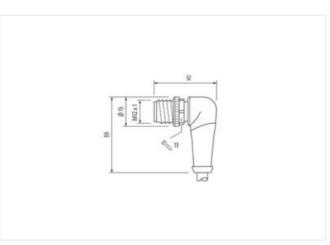
## Link to Product

Illustration



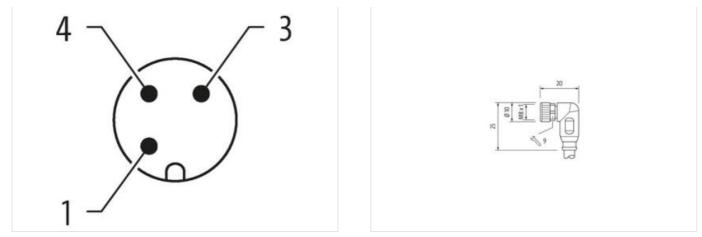






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27





Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879158596
Packaging unit	1
Electrical data   Supply	

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Operating valage DG max     60 V       Operating valage DG (LL-lated)     30 V       Current operating per contact max.     4 A       Device protection [learning]     inserted, screwed       Additional condition protection degree     inserted, screwed       Poluzion protection degree     3       Read surge voltage AG (LL-lated,)     1       Material group (IEC 8066-1)     1       Material forms connection     2/no die-casting       Mate		
Operating vortage AC (UL-lister)     90 V       Operating vortage AC (UL-lister)     36 V       Concent operating per contact max.     4 A       Device protection [Electrical     44       Addinant contact max.     4 A       Device protection protectin degree     3       Rated augr voltage AC (UL-lister)     1       Mechanical data [Material grap (UE 6068-1)]     1       Mechanical data [Material data     Coating obting       Coating obting     Notaled       Coating obting     notale plated       Locking mathematical data [Material data     Coating obting       Methanical data [Mounting data     Inserted. screwed. Shaling protection       Methanical data [Mounting data     Inserted. screwed. Shaling protection       Environmental characteristics [Climatic     Operating lomporature max.     85 °C       Operating lomporature max.     85 °C     Operating lomporature max.     85 °C       Additional contalion tomparatur ango     depending on cable quality     Contention       Pockic standed     DIN EN 61076-2-101 (M12), DIN EN 61076-2.114 (M8)     Material grap (M12), Material	Operating voltage AC max.	50 V
Operating per contact max.     4 A       Device optication [Electrical     Inserted, scrowed       Addition condition protoction dogree     inserted, scrowed       Patiation Degree     3       Ratid surge orbitage     1.5 kV       Material group (IEC 60661-1)     I       Mechanical data [Material data     Conting locking       Conting locking     Nickeled       Conting locking     Nickeled       Conting locking     Nickeled       Conting locking     Tric dio-casting       Mechanical data [Mounting data     Inserted, scrowed, Shaking protection       Environmental characteristics [Climatic     Operating locking on cable quality       Operating locking characteristics [Climatic     Operating locking on cable quality       Operating locking     Qapording on cable quality       Contornity     Contornity       Product standard     DIN EN 61078-2114 (M8)       Instandards (Color     Q20       Cable Type     2       Identify     Query betwee betwee betwee       Vietow were betwee betwee betwee     Query betwee betwe		
Current operating per contact max.     4 A       Device protection   Electrical       Addinant condition protection degree     Inserted, screwed       Patition protection protection degree     15 NV       Material group (IFC 60684-1)     I       Mechanical data   Material adata     Coading to films       Coading to films     nokel plated       Loding material     Zno die-casting       Material screw commetion     Zno die-casting       Material screw commetion     Zno die-casting       Mounting mathred     inserted, screwed. Shaking protection       Environmental characteristica   Glimatic     Operating temperature max.       Operating temperature max.     BS °C       Additional condition temporature range     depending on cable quality       Conternity     Product Standard       Dist En 61076-2-101 (M12), DIN EN 61076-2-114 (M5)     Installation (Cable       Cable demtification     020       Cable demtifica		
Device protection   Electrical     Inserted, screwed       Additional condition protection degree     isserted, screwed       Rated aurge voltage     1.5 kV       Material group (EC 60064-1)     i       Mechanical dotal, Ilbetrial data     i       Coaling boding     Nickaled       Coaling toding     Time de casing       Material arow connertion     Zine de casing       Material prove casing     Berefed, screwed, Shaking protection       Environmental characteristics   Climatic     Dioperating tomporature main,       Operating tomporature main,     25 °C       Operating tomporature main,     25 °C       Operating tomporature main,     92 °C       Casio foroin     Yellow       Type of Carificate     QIPUs       Note holding cydes (C-track)     <		
Additional candition protection degree     inserted, sorewed       Pailuan Degree     3       Rated surge voltage     1.5 kV       Meterial group (EC 60664-1)     1       Meterial screw connection     Zno die- casting       Meterial group (EC 60664-1)     Inserted, screwed, Shaking protection       Meterial screw connection     Zno die- casting       Meterial group screw connection     Zno die- casting       Meterial screw connection     Zno die- casting       Meterial group screw connection     Zno Connecone       Operating temperature man	Current operating per contact max.	4 A
Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (EG 60684-1)     1       Mechanical data   Material data     Coating filts       Coating folting     nickel plated       Locking material     Zinc die caating       Mechanical data   Material data     Zinc die caating       Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating formparature max.       Operating formparature max.     85 °C       Conformity     Operating formparature max.       Poduct standad     DIN EN 61076-2-114 (M12), DIN EN 61076-2-114 (M8)       Instatification     020       Cable Type     2       Jackat Color     yellow       Type of Cartificatio     CUPus       Note Indentification     020       Cable rope     2       Jackat Color     yellow       Type of Cartificatio     CUPus       Nore Indentify Color     yellow       Type of Cartificatio     CUPus       Nore Ind	Device protection   Electrical	
Rated surge voltage     1.5 kV       Material group (EC 6068-1)     1       Mechanical data [Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Zinc die casting       Mechanical data [Mounting data     Mechanical data [Mounting data       Meuning method     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating temperature min.       Oparating temperature min.     25 °C       Oparating temperature min.     25 °C       Operating temperature min.     25 °C       Oparating temperature min.     25 °C       Oparating temperature min.     25 °C       Oparating temperature man.     89 °C       Additional contition     020       Cabine dentification     020       Cabie fertification     020       Cabie fortification     020 <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Material group (EC 80684-1)     I       Mechanical data ( Natorial data     Coating locking     Nickeled       Coating locking     nicke plated     Coating locking       Locking material     Zinc die casting       Material serve connection     Zinc die casting       Contornity     Contornity       Product standard     Din En 61076 2-101 (M12), Din En 61076 2-114 (M8)       Installion I Gabie     Color       Cabie inform     Qie0       Standing     1       Standia Usi     Qie0 <t< td=""><td>Pollution Degree</td><td>3</td></t<>	Pollution Degree	3
Mechanical data   Material data       Coating of itting     Nickeled       Coating of itting     nickel plated       Locing material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Operating temporature min.     -25 °C       Operating temporature min.     -25 °C       Operating temporature max.     85 °C       Additional condition temporature range     depending on cable quality       Conternity     Environmental characteristics   Climatic       Product standard     01N IN 161076-2-101 (M12), DIN IN 61076-2-114 (M8)       Ibabiliation ICable     Cable Identification       Cable Identification     020       Cable Identification     020       Cable Identification     020       Strandorg     Swires twisted       Wries arrangementif     1       Strandorg     Swires twisted       Wries arrangementif     2 Mic. @ 25 °C       Cable weight     2 6 5 0 foro A       Freedom from ingredients (gacket)	Rated surge voltage	1,5 kV
Cating looking     Nickeled       Cating of titing     nickel plated       Locking material     Zinc die casting       Material serve connection     Zinc die casting       Mechanical data   Mounting data     inserde, screwed, Shaking protection       Exversemental characteristics   Climatile     Commit       Contraing temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Conformit     Conformit       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Insellation I Cable     Conformit       Cable Type     2       Jacket Color     Q00       Cable Type     2       Jacket Color     Vellow       Type of Carificate     cURus       Anount stranding     1       Stranding     3 wirse twisted       Ware arrangement     brown, black, blue       No. of bonding cycles (Crack)     28.62 grm       Material jacket     5 ± 5 Shore A       Freedon from ingredients (gacket)     Iea5 * 6 Shore A       Freedon from ingredients (	Material group (IEC 60664-1)	I
Coating of fitting     nickle plated       Lacking material     Zinc die-casting       Material screw connection     Zinc die-casting       Machanical data   Mounting data     inserted, screwed, Shaking protection       Environmental charseteristics   Climatic     Concommental charseteristics   Climatic       Operating imperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-111 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable forpe       Cable Type     2       Jacket Color     yellow       Type of Certificate     OURsis       Anount stranding     1       Stranding     3 wires twisted       wire strangement     brown, black, blue       No. of bending cycles (C-track)     26.62 g/m       Material jacket     PUR       Strare hardness jacket     85 5 Store A       Freedom from ingredients (jacket)     4.3 mm       Outer-diameter (indeation)     1.25 mm       Outer diameter (indeat	Mechanical data   Material data	
Locking material   Zinc die-casting     Material sorew connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Addinical condition temperature range   depending on cable quality     Conformity   Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Instaliation   Cable   Cable dentification   020     Cable Type   2   2     Jackot Color   yellow   2     Type of Certificate   cURs   2     Anount stranding   1   1     Stranding   3 wires twisted   3     No of bending cycles (C-track)   2 Mio. @ 25 °C   2     Cable admitimentor   PUR   2     Shore hardness jacket   85 ± 5 Shore A   5     Freedom from ingredients (gaket)   14 ± 5 %   3     Outer diameter (sheath)   ± 5 %   3   3     Outer diameter (sheath)   ± 5 %   5   5 Shore A     Freedom from ingredients (gaket)   ± 5 % <td>Coating locking</td> <td>Nickeled</td>	Coating locking	Nickeled
Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature max.       Qperating temperature max.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     B5 °C       Additional Cable     Cable view       Cable Type     2       Cable Color     yellow       Type of Contribut     Control       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. di barding cycles (C-track)     2 Mo. @ 25 °C       Cable weigh     2.62 grin       Material jacket     PUR       Shore hardnessi jacket <td>Coating of fitting</td> <td>nickel plated</td>	Coating of fitting	nickel plated
Mechanical data   Munuting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Clinatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Concremity     Product standard     DIN Is fo 76-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Coll     Coll       Cable identification     020     Coll       Cable identification     020     Coll       Cable Identification     020     Coll       Additional Cable     Velow     Yes       Cable Identification     020     Coll       Amount stranding     1     Stranding     3 wires twisted       Wrise arrangement     brown, black, blue     Coll     Coll       No. of bending cycles (C-track)     2 Mio. @ 25 °C     Coll     Cable weight     Aim       Material jackat     PUR     Store A     Store A     Store A     Store A       Freedom from ingredients (jacket)     1 & 5 %     Store A     Store A	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contornity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation (Cable     Cable identification       Cable identification     020       Cable Type     2       Jacket Color     yellow       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cydes (C-track)     2 Nic. @ 25 °C       Cable weigth     26.62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from insulation     43 mm       Tolerance outer diameter (gheath)     ± 5 %       Material wein straudion     PVC       Amount stranding     1 ± Stranding       Outer diameter (gheath)     ± 5 %       Outer diameter (gh	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Concorning     UN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable right       Cable distribution   Cable     2       Cable right     2 P       Jacket Color     yellow       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       No. of bending cycles (C-track)     2 8/6.2 g/m       Atterial packet     PUR       Store hardness jacket     85 ± 5 Shore A       Freedom from ingredients (gacket)     1 ± 5 %       Material wire insulation     25 %       Outer diameter (globath)     ± 5 %       Shore hardness wire insulation     1 ± 5 %       Atterial wire insulation     1 ± 5 %       Adarties wire insulation     1 ± 5 %       Outer diameter (globath)     ± 5 %       Shore hardness wire insulation	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Concomity     Product standard     DIN EN 61076-2-101 (M12); DIN EN 61076-2-114 (M8)       Installation   Cable     Cable rule     Cable rule       Cable rule     Cable rule     Cable rule       Cable rule     Cable rule     Cull rule       Cable rule     Cable rule     Cull rule       Adact Color     yellow     2       Jacket Color     yellow     Cull rule       Type of Certificate     CURus     Cull rule       Manut stranding     1     Stranding     3 wires twisted       wire arrangement     brown, black, blue     Rule     Rule       No. of bending cycles (C-track)     2 Mio. @ 2 ° °C     Cable weigh     26.26 g/m       Material piacket     PUR     Store A     Store A     Store A       Freedom from ingredients (gacket)     1.8 %     Store A     Store A     Store A       Telerace outer diameter (gacket)     1.	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     020       Type of Cartificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     2 Mio. @ 25 °C       Cable weigh     26,62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     4,3 mm       Toleranee urd elameter (sket)     4,3 mm       Outer diameter (sheat)     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     020       Cable Verificate     cuRus       Admount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C+rack)     2 Alio. @ 25 °C       Cable weigh     2 6.6 2 g/m       Material packet     PUR       Store Andress jackt     85 5 5 5 Nore A       Freedom from ingredients (jacket)     4.3 mm       Tolerance outer diameter (stact)     ± 5 %		-25 °C
Additional condition temperature range depending on cable quality   Conformity   Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)   Installation [Cable   Cable identification 020   Cable identification 020   Cable Type 2   Jacket Color yellow   Type of Certificate cURus   Amount stranding 1   Stranding 3 wires twisted   wire arrangement brown, black, blue   No. ot bending cycles (C-track) 2 Mio. @ 25 °C   Cable weight 26.62 g/m   Material jacket PUR   Shore hardness jacket 85 ± 5 Shore A   Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, silicone-free   Outer diameter (sheath) ± 5 %   Material jacket PUC   Amount wires 3   Outer diameter (sheath) ± 5 %   Material invire insulation PVC   Amount wires 3   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation ± 5 %   Shore hardness wire insulation 43 ± 5 Shore D   Material jorporties wire insulation jack scale   Diver diameter tolerance core insulation ± 5 %		
Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       Cable identification     020       Amount stranding     1       Stranding     3 wires twisted       Mount stranding     1       Stranding oycles (C-track)     2 Mio. @ 25 ° ° C       Cable weigth     26,62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     4.3 mm       Tolerance outer diameter (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wre insulation     PVC       Arount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     4.3 t 5 Shore D       Mate		
Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       Cable identification     020       Cable identification     020       Cable identification     020       Cable identification     020       Jacket Color     yellow       Type of Carlificate     OURus       Amount stranding     1       Stranding     3 vise Nvisted       Wire arrangement     brown, black, blue       No. of bending cycles (C-track)     2 Mio. @ 25 ° C       Cable weigth     26.62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.5 %       Material wrie insulation     PVC       Amount wries     3       Outer diameter tolerance core insulation     1.25 mm       Outer diameter insulation     45 %       Shore D     Material properties wrie insulation     45 %       Shore Bardness wrie insulation     45 %       Shore D     Material conduc		
Installation   CableCable Identification020Cable Type2Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weight26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.3 mmTolerance outer (jacket)9VCAmount wires3Outer diameter insulationPVCAmount wires3Shore hardness wire insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation43 ± 5 Shore DMaterial wire insulation92Diarence core insulation32Diarence wire insulation32 ± 5 Shore DMaterial wire insulation92 mm²Material wire insulation92 mm²Conduct rorssection (wire)0.25 mm²Material conduct rowire0.11 mmConduct rowire0.25 mm²Material conductor wire51 conductor wire, bareConductor rowire0.25 mm²Material conductor wire0.25 mm²Conductor vire51 conductor wire, bareConductor vire51 conductor wire, bareConductor vire51 conductor wire, bareConductor vire51 conder free, cadmiu	-	
Cable Identification020Cable Type2Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wirse twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulation32Diameter of single wires0,1 mmConductor crossection (wire)0,25 m²Material conductor wireStranded copper wire, bareeConductor wireStranded copper wire, bare	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type2Jackel ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4.3 mmTolerance outer diameter (schett)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulation90 cd machinabilityIngredient floerance core insulation25 %Couter diameter insulation32 2Diameter of single wires0,1 mmConductor coressection (wire)32Diameter of single wires0,1 mmConductor coressection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded	Installation   Cable	
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (jscket)± 5 %Material wire insulationPVCAmount wires3Outer diameter folloance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bare	Cable identification	020
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.3 mmTolerance outer diameter (sheath)± 5 %Material jacket9 VCAmount wires3Outer diameter loterance core insulation± 5 %Shore hardness wire insulation9 VCAmount wires3Outer diameter loterance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bare	Cable Type	2
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulation32Diameter of single wires0.11 mmConductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand copper wire, bare	Jacket Color	yellow
Stranding   3 wires twisted     wire arrangement   brown, black, blue     No. of bending cycles (C-track)   2 Mio. @ 25 °C     Cable weigth   26,62 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   4,3 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   43 ± 5 Shore D     Material properties wire insulation   43 ± 5 Shore D     Material properties wire insulation   iead-free, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor crossection (wire)   0,25 mm²	Type of Certificate	cURus
wire arrangementbrown, black, blueNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulation± 5 %Material properties wire insulation± 5 %Shore hardness wire insulation± 5 %Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Gade tree, cadmium-free, CFC-free, silicone-freeAmount strads (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6	Amount stranding	1
No. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient feeness wire insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Could cover the strand properties wire insulation± 5 %Material properties wire insulation± 5 %Material properties wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bare	Stranding	3 wires twisted
Cable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6	wire arrangement	brown, black, blue
Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     43 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-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		-
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationiead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bare	Cable weigth	26,62 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation± 5 %Shore hardness wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Material jacket	PUR
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bare		85 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6		·
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6		±5%
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Material wire insulation	PVC
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Amount wires	3
Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-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 6		
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	· · ·	
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		
Conductor crosssection (wire) 0,25 mm²   Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6		
Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6		
Conductor type (wire) strand class 6		
Traversing distance (C-track) 5 m @ 25 °C   horizontal		
	Traversing distance (C-track)	5 m @ 25 °C   horizontal

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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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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