

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

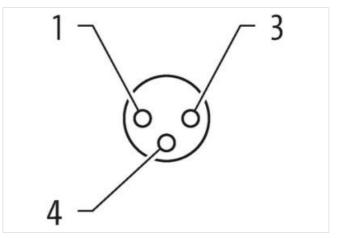
PUR 3x0.25 bk UL/CSA+drag ch. 7m

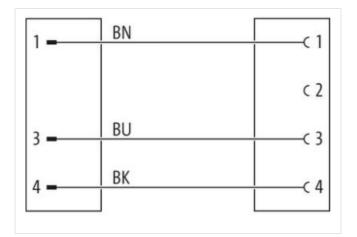
Male 90° – female 90° M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

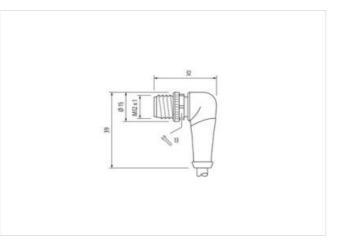
## Link to Product

## Illustration



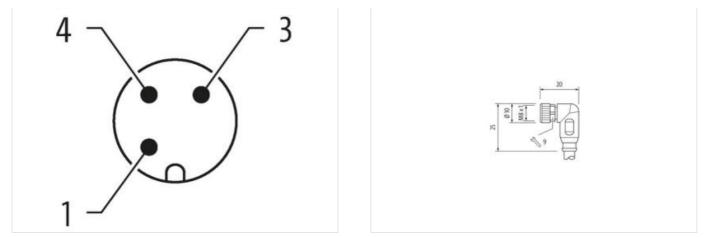






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18





Product may differ from Image



Cable length	7 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-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	4048879562966
Packaging unit	1
Electrical data   Supply	

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Operating voltage DC max         60 V           Operating voltage DC (LL-lated)         30 V           Current operating per contact max.         4 A           Device production Electrical         Addronal condition protection degree           Addronal condition protection degree         isserted. screwed           Pullution Degree         3           Machanization (LC 60064-1)         1           Machanization (LL 60064-1)         2           Casting of films         2           Device operations remains         45 °C           Operating remains remain         45 °C           Operating remains remains         45 °C           Operating remains remain         4           Mote oblig radulus         Attention: Condex the generatures	Operating voltage AC max.	50 V
Operating version DC (UL-Islen)         30 V           Current operating per contact max.         4 A           Device protection [Electrical         Inserted. screwed           Additional condition protection degree         is marred. screwed           Rated sturge voltage         1.5 kV           Material group (EE 06064-1)         1           Mechanic dotal, Meterial data         Image: Condition Conditere Conditeredunt Condition Condition Condition Condition Condite	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Device protection   Electrical           Addrond condition protection degree         inserted, sorwed           Polution Durgree         3           Rated surge voltage         1.5 kV           Material group (IEC 60064-1)         1           Mechanical dial   Material data         Casing backing           Casing backing         Nickeled           Casing backing and the protection degree         3           Mechanical dial   Material screw cornection         Zinc die casing           Mouring method         inserted, sorwed, Shaking protection           Environmental characteristics [ Climate         Operating temporature max.           Additional condition temporature max.         85 °C           Additional condition temporature max.         Additional condition temporature max.           Not on obscring radius         Addition connectors by suitable measures from machinal clads, a.g. by the u	Operating voltage AC (UL-listed)	30 V
Device protection   Electrical           Additional condition protection degree         inserted. screwed           Pation Degree         3           Rated surge voltage         1.5 kV           Mational protection (Beterial data)         1           Mational protection (Beterial data)         1           Material protection (Beterial data)         1           Contain (Beterial data)         2           Contain (Beterial data)         Zanc die-casting           Material acrew connection         Zanc die-casting           Material acrew connection (Beterial data)         2           Operating Importation mon.         25 °G           Containg off Importation mon.         25 °G           Operating Importation mon.         25 °G           Containg off Importation mon.         25 °G           Containg of Importation mon.         25 °G           Containg of Importation mon.         25 °G           Containg off Imp	Operating voltage DC (UL-listed)	30 V
Additional condition protection degree         inserted, screwed           Pallution Degree         3           Rated surge voltage         1, St V           Material group (EC 60064-1)         1           Material group (EC 60064-1)         1           Material group (EC 60064-1)         1           Material screw connection         Zine de-casting           Material screw connection         Zine de-casting           Material screw connection         Zine de-casting           Mounting mathod         Isserted, screwed, Shaking protection           Evarionmental characteristics [Climate         Operating temperature max.           Operating temperature max.         25 °C           Additional contion temperature range         depending on cable quality           Importatin Installation notes         Attention:: Observe the parmisable measures from mechanical loads, e.g. by the usage of cable tise.           Note on afteria relief         Polect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tise.           Note on afteria relief         Dol NE IN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation Coble         So           Veal train relief         Note, blue           Cable folgo         3           Cable brief religit         Attention: Observe the parmisable bending inditi	Current operating per contact max.	4 A
Pallation Dagree         3           Rated supp vitage         1,5 kV           Matchail ging (CS 60664-1)         1           Mechanical data   Material data         Conting (CS 6066-1)           Conting (CS 6066-1)         Nckeled           Conting (CS 6066-1)         Tim die casting           Matchial socie (CS 6066-1)         Zinc die casting           Material (CS 6066-1)         Zinc die casting           Material Socie (CS 6067-1)         Zinc die casting           Material CS 70         Operating (morpariture max.           Operating (morpariture max.         65 °C           Operating (morpariture max.         65 °C           Additional condition tramporature max.         65 °C           Additional condition tramporature max.         65 °C           Control (Declare)         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Attention: Observe the permissible bending toros.           Control (Declare)         Diff (M12), Din En 61076-2-114 (M8)	Device protection   Electrical	
Pallation Dagree         3           Rated supp vitage         1,5 kV           Matchail ging (CS 60664-1)         1           Mechanical data   Material data         Conting (CS 6066-1)           Conting (CS 6066-1)         Nckeled           Conting (CS 6066-1)         Tim die casting           Matchial socie (CS 6066-1)         Zinc die casting           Material (CS 6066-1)         Zinc die casting           Material Socie (CS 6067-1)         Zinc die casting           Material CS 70         Operating (morpariture max.           Operating (morpariture max.         65 °C           Operating (morpariture max.         65 °C           Additional condition tramporature max.         65 °C           Additional condition tramporature max.         65 °C           Control (Declare)         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Attention: Observe the permissible bending toros.           Control (Declare)         Diff (M12), Din En 61076-2-114 (M8)	Additional condition protection degree	inserted, screwed
Rated supp voltage         1,5 kV           Material group (IEC 66661-1)         i           Mechanical data [Mechanical data]         Incide Jated           Conting looking         Nickeled           Conting looking         Nickeled           Conting looking         Nickeled           Conting looking         Zinc die casting           Material scow connection         Zinc die casting           Mechanical data [Mounting data]         Mice die casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics [ Gimatic         Comparities (managemethon and and and and and and and and and an		3
Material group (IEC 600641)         I           Mechanical data ( Moreiral data           Coating locking of fitting         nickel plated           Coating locking material         Zinc die-casting           Mechanical data ( Mounting data         inserted, screwed, Shaking protection           Environmental characteristics ( Climatic         Operating temporature min.           Operating temporature min.         -25 ° C           Operating temporature max.         85 ° C           Additional condition temporature rank.         85 ° C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise.           Note on bending radus         Attention: Cbaser we bending forces.           Continy         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation [ Cable         we arrangement         brown, black, blue           Cable Ispen         3         Jackel Cooir         Jackel Cooir           Material all anding         1         Stran fidues all protention f		1,5 kV
Coating locking         Nickeled           Coating of Hiting         nickel plated           Coating of Hiting         Incide ceasing           Material screw connection         Zine die ceasing           Wethanical data   Mounting data         Incide ceasing           Material screw connection         Zine die ceasing           Methanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature min.         25 °C           Operating temperature min.         65 °C           Additional condition temporature may         depending on cable qualify           Important insiallation notes         Forlexet the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, s.g. by the usage of cable ites.           Note on stain relief         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Conormity           Product standsd         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Gable confignation           Gable Type         3           Jackel Color         black           Type of Cartittals <t< td=""><td></td><td><u> </u></td></t<>		<u> </u>
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material sores voncetion         Zinc die-casting           Machanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature max.         85 °C           Addition codition temperature range         depending on cable quality           Important installation notes         Note on stain relief           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by oxecessive bending forces.           Contormity         Installation ICable           Installation   Cable         Installation   Cable           View arrangement         Drown, black, blue           Cable identification         630           Cable identificatiae         CuPrus	Mechanical data   Material data	
Locking material         Zinc die-casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data         Inserted. screwed, Shaking protection           Environmental characteristics   Climatic         Constraints           Operating temperature min.         -25 °C           Operating temperature max.         85 °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 ites.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Contormity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         """"""""""""""""""""""""""""""""""""	Coating locking	Nickeled
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Constitution           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Attention: Observe the permissible bending radii when laying cables, e.g. by the usage of cable ties.           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 radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and another of the permissible bending radii when laying cables, as the IP protection class can be and the protection class can be and the permissible bending radii when laying cables, as the IP protection class can be another of the class for the classing data data data data for the class for the class for	Coating of fitting	nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted: screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature max.         65 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Attention: Closerve the permissible bending radii when taying cables, as the IP protection class can be endingered by excessive bending forces.           Conomity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Closerve the permissible bending radii when taying cables, as the IP protection class can be endingered by excessive bending forces.           Conomity         Installation (Cable           wire arrangement         brown, black, blue           Cable Type         3           Jacket Cofor         black           Type of Certificate         cUFus           Amount strainding         1           Stranding         3           Jacket Cofor         black           Type of Certificate         PUR           Stranding         1           Stranding         1           Mouterial picket         PUR	Locking material	Zinc die-casting
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature min.         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 strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Attention: Observe the pormissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nete on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Installation           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation (Cable         Use and angerent           Write arrangement         brown, black, blue           Cable identification         630           Cable identification         630           Type of Certificate         cURus           Amount stranding         1           Stranding         <	Material screw connection	Zinc die-casting
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature min.         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 strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Attention: Observe the pormissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nete on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Installation           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation (Cable         Use and angerent           Write arrangement         brown, black, blue           Cable identification         630           Cable identification         630           Type of Certificate         cURus           Amount stranding         1           Stranding         <	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           Important installation notes         Attention: Condition temperature range           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: Coserve the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.           Contornity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.           Contornity         Protect standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation [ Cable         wire arrangement         Drown, black, blue           Cable identification         630         Cable ICoro           Jacket Color         black         Diver brained           Type of Certificate         cURus         Amount stranding           Wire arrangement         brown, black, blue         Cable weight           Gable weight         28.4 g/m<		inserted, screwed, Shaking protection
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain relief         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         users any genement           Product strandard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         ack           Cable identification         630           Cable Type         3           Jacket Color         black           Type of Cartificate         cuFus           Anount stranding         1           Stranding         3 wires twisted           wire arragement         brown, black, blue           Cable weight         26.4 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket) <td< td=""><td>-</td><td></td></td<>	-	
Operating temperature max.         85 °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 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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contomity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         wrise arrangement         brown, black, blue           Cable identification         630         Cable           Cable Identification         630         Cable           Additional         3 wrise twisted         Transperature max           Areand brown, black, blue         Cable wise twisted         Transperature max           Wrie arrangement         brown, black, blue         Cable wise twisted           Stranding         3 wrise twisted         Transperature max           Meterial jacket         PUR         Shore A           Shore hardness jacket         90 ± 5 Shore A         Freedom from ingredients (jacket)           Tolerance outer diameter (sheath)	· ·	
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 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 forces.           Conformity         Protect standard           DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable           wire arrangement         brown, black, blue           Cable identification         630           Cable identification         630           Cable identification         630           Cable view         Culfust           Mount 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)         Lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount twires <td< td=""><td></td><td></td></td<>		
Important installation notes           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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         wire arrangement         brown, black, blue           Cable tidentification         630         Cable Type           3         Jacket Color         black           Type of Certificate         cURus         Amount stranding           Amount stranding         1         Stranding           Stranding         3 wires twisted         Wire arrangement           brown, black, blue         Cable type         3           Cable veligith         26,4 g/m         Material jacket           Yure of Certificate         cURus         Amount Stranding           Cable weight         26,4 g/m         Material jacket           PUR         Shore A         Precedom trom ingredients (jacket)         Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm         Tolerance outer diameter (sheath)         ± 5 %	1 8 1	
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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Bown, black, blue         Cable identification         G30           Cable Type         3         Jacket Color         black           Type of Certificate         culRus         Cable identification         G30           Around stranding         1         Stranding         Gable identificate           View or angement         brown, black, blue         Cable in the stranding         Gable in the stranding           Stranding         3 wires twisted         wire arrangement         brown, black, blue           Cable weigth         26,4 g/m         Material jacket         PUR           Shore hardness jacket         PUR         Shore A         Freedom from ingredients (jacket)         Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (iscketi)         4,1 mm         Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP         Amount twires         3 </td <td></td> <td>depending on cable quality</td>		depending on cable quality
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 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         wire arrangement         brown, black, blue           Cable identification         630         Cable Identification         630           Cable Identification         630         Cable Identification         Gabe           Ype of Certificate         cURus         Amount stranding         I           Stranding         1         Stranding         I           Stranding         3 wires twisted         Wire arrangement         Drown, black, blue           Cable weigth         26,4 g/m         Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A         Freedom from ingredients (jacket)         Iead-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 stranding         Gabe           Outer diameter insulation         1,25 mm         Gabe         Gabe           Outer diameter insulation         1,25 mm         Gabe         <	Important installation notes	
Note on behaling radius       endangered by excessive bending forces.         Conformity         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable         wire arrangement       brown, black, blue         Cable identification       630         Cable fype       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         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 insulation       7,25 mm         Outer diameter insulation       7,25 Shore D         Ingredient free ness wire insulation       7,25 Shore D         Ingredient freeness wire insulation	Note on strain relief	
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   Cablewire arrangementbrown, black, blueCable identification630Cable Identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding9 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial JacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)1,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tore insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tore insulation1,25 mmOuter diameter tore insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tore insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tore insulation± 5 %Shore hardness wire insulation± 5 %Shore hardnes	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.
Installation   Cable           wire arrangement         brown, black, blue           Cable identification         630           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           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 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         82           Diameter of single wires         0,1 mm	Conformity	
wire arrangementbrown, black, blueCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation82Diameter of single wires32Diameter of single wires0,1 mm	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification630Cable Type3Jacket ColorblackType 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)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1 add-free, cRef-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Installation   Cable	
Cable Type3Jacket ColorblackType 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) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation82Diameter of single wires0,1 mm	wire arrangement	brown, black, blue
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Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm	Material wire insulation	
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	Amount wires	
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Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)     32       Diameter of single wires     0,1 mm	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
		32
Conductor crosssection (wire) 0,25 mm <sup>2</sup>		
	Conductor crosssection (wire)	0,25 mm <sup>2</sup>

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: 2024-05-18



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 - 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
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)	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

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