

## M12 male 0° / M8 female 90° A-cod.

PVC 4x0.25 gy UL/CSA 1m

Male straight - female 90°

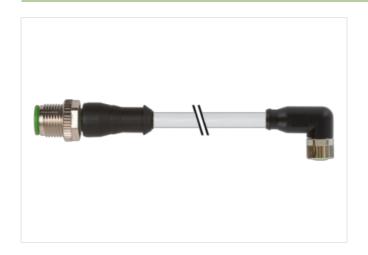
M12 - M8, 4-pole

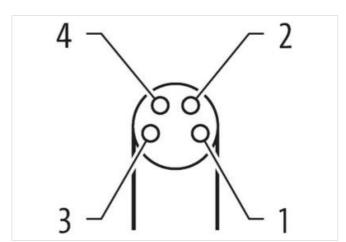
Plastic housings with good resistance against chemicals and oils.

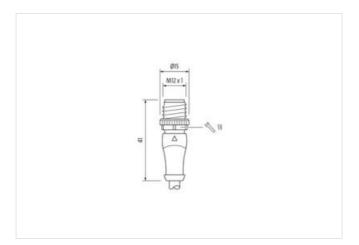
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration



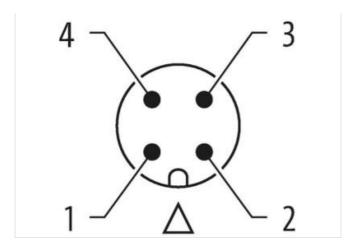








stay connected

















| Cable length                              | 1 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             |
| Cable outlet                              | straight          |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| Width across flats                        | SW13              |
| Side 2                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Cable outlet                              | angled            |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| Width across flats                        | SW9               |
| 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          |

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: 2024-05-02



stay connected

| Packaging unit   1  | customs tariff number                    | 85444290  |
|---|--|---|
| Packaging unit  |  |   |
| Electrical data   Supply         Operating voltage AC max.         50 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-steed)         30 V           Operating voltage AC (UL-steed)         30 V           Ournot operating por contact max.         4 A           Device protection (EN EC 80529)         IP68, IP67, IP68K           Additional condition protection degree         inserted, screwed           Additional condition protection degree         1,5 kV           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Coating folding         Nickoled           Coating of Itling         nickoled           Color Industrial         incerted, screwed, Shaking protection           Color Fortial carrier         groon           Color fortial carrier         Zinc dis-casting           Mechanical data   Mounting data         Incerted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating openparture mix.           Operating openparture mix.         25 °C           Operating openparture mix.         85 °C           Additions to representation enters         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain feel? </td <td></td> <td></td>   |  |   |
| Separating voltage AC max.  |  |   |
| Operating voltage DC max         60 Y           Operating voltage AC (UL-Islated)         30 V           Operating voltage DC UL-Islated)         30 V           Ourset operating per contact max.         4 A           Device protection (EN IEC 60529)         IP95, IP97, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 6064-1)         I           McChanical data (Metrial data         I           Coating looking         Nickeled           Coating of fitting         nickel plated           Color to-contact carrier         green           Color contact carrier         green           Locking mathrial         Zinc die-casting           Machanical data (Mounting data         Inserted, screwed, Shaking protection           Machanical data (Inserted)         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Climatic           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by exces  |  | FO.V.   |
| Operating voltage AC (UL-Isided)         30 Y           Operating protection [Sectrical]         30 Y           Device protection [Sectrical]         VA           Degree of protection [Sectrical]         Inserted, screwed           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meternal group (IEC 60864-1)         1           Michael Michael Material and Ma |  |   |
| Operating voltage DC (UL-lietor)         30 V           Current operating per contact max.         4 A           Degree of protection [Electrical]         Degree of protection (EN IEC 68529)           Degree of protection (EN IEC 68529)         IP65, IP67, IP66K           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664+1)         1           Mechanical data IMaterial data         Neckeled           Coating of fitting         nickel plated           Color nousing         black           Color onstact carrier         green           Locking material         Zin die-casting           Material sorew connection         Zin die-casting           Mechanical data IMounting data         Mechanical data IMounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Coperating temperature max           SS *C         Coperating temperature max           Additional condition temperature maye         depending on cable quality           Inportant installation notes         Note on strain relief           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Attention: Co   |  |   |
| Current operating per contact max.         4 A           Device protection (ENL ECO 60529)         IP65. IP67, IP60K           Additional condition protection degree         inserted, sortwed           Pollution Degree         3           Additional condition protection degree         1.5 KV           Metandial group (EC 60664-1)         I           Mechanical datal Material data         Mechanical datal Material data           Coating booking         Nickeled           Cooling of fitting         nickel plated           Coolor contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical datal [Mounting datal         Wiesenschaft datal [Mounting datal           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics [Climatic         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 ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity  |  |   |
| Degree of protection   Electrical   |  |   |
| Degree of protection (EN IEC 80529)         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 80664-1)         I           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Color contact carrior         groon           Locking material         Zinc de-casting           Material screw connection         Zinc de-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         45 °C           Operating temperature max.         45 °C           Additional condition temperature range         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 fiels.           Note on bonding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.<   |  | 70  |
| Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raced surge vorlage         1,5 kV           Material group (IEC 60684-1)         I           Mechanical datal Material data         Inches and the plated           Coating locking         nickel plated           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical datal Mounting data         Mechanical datal Mounting data           Mechanical datal Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.           Additional condition temperature max.         25 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on berding tradius         Attention: Observe the permissible bearing for mechanical loads, e.g. by the usage of cable ties.           Note on berding radius <td< td=""><td></td><td>IDOS IDOS IDOSIA</td></td<>   |  | IDOS IDOS IDOSIA  |
| Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 80684-1)         1           Mechanical data   Material data         Nickeled           Coating Docking         Nickeled           Coating Octing         black           Color Inousing         black           Color contact carrier         green           Locking material         Zinc die-casting           Macterial screw connection         Jinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental Characteristics   Climatic         Fromman   Characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         65 °C           Operating temperature range         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation Cable         211           Cable Type         1           Cable identification         211           Cable identification         211           Cable identificat   |  |   |
| Raterial group (IEC 60684-1)         1.5 kV           Material group (IEC 60684-1)         I           Mechanical data   Material data         V           Coating locking         Nickeled           Coating of fitting         nickel plated           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Inspect of casting           Environmental characteristics   Climate         Coperating temperature min.         25 ° ° °           Operating temperature min.         25 ° ° °         Coperating temperature min.         25 ° ° °           Operating temperature min.         45 ° °         Coperating temperature min.         25 ° ° °           Operating temperature min.         45 ° °         Coperating temperature min.         25 ° ° °   |  |   |
| Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Color contact carrier         green           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating 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 ties.           Note on bending radiu         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         211           Cable identification   Cable         211           Cable identification   Cable         211           Cable in   |  |   |
| Mechanical data   Material data         Nickeled           Coating of litting         nickel plated           Coating of litting         black           Color housing         black           Color contact carrier         green           Locking material         Zinc die-casting           Material serve vonnection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Murring method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           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 lies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by screesive bending forces.           Conformity         Environmental Cable           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation [Cable         211           Cable identification         211           Cable identification         214           Jacket Color         gray   |  |   |
| Coating locking         Nickeled           Coating of fitting         nickel plated           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Operating temperature min.         25 °C           Operating temperature man.         25 °C           Operating temperature man.         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 brain 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.           Contently         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Installation   Cable           Cable (Type of Cartificate)         211           Cable (Type of Cartificate)         CURUS           Amount stranding         1 <t< td=""><td></td><td><u>'</u></td></t<>  |  | <u>'</u>  |
| Coating of fitting         nickel plated           Color kousing         black           Color contact carrier         green           Locking material         Zinc die-casting           Metarial screw connection         Zinc die-casting           Mechanical datal Mounting data         Mechanical datal Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         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 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         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Since the color of gray           Lacket Color         gray           Type of Certificate         CuRus           Amount stranding         1           Stranding         4 wires twisted           wire arran   | ·  |   |
| Color contact carrier         green           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating 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 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.           Conformity         Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         211           Cable Identification         211         Cable Identification         21 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Culture         Culture         Culture         Culture         Culture         Culture   | -  |   |
| Color contact carrier green Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min25 °C Operating temperature max. 85 °C  Continute (Street of 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable Installation   Cable  Cable Installation   Cable  Cable Installation   211  Cable Type   1  Cable Cofficiate CulRus  Amount stranding 1  A wires twisted  wire arrangement brown, black, blue, white  Cable weigh 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh   34,76 g/m  Material jacket   PVC  Shore A material jacket   PVC  Challender (jacket)   lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket)   4,8 mm  Tolerance outer diameter (sheath)   5 °K  Material wire insulation   PVC  Amount wires   4                       |  | ·   |
| Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.   |  |   |
| Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comparing 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 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         Protect standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         211           Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURUs           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)  |  | <del>_</del>  |
| Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range 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 ties.  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   Cable identification 211  Cable identification 211  Cable Color gray Type of Certificate CURus Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 %  Material larier insulation PVC  Amount wires 44  |  |   |
| Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range 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 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.  Contormity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable Identification 211  Cable Type 1 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | 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  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  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (sacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Mechanical data   Mounting data          |   |
| Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition temperature range 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 ties.  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 Cable identification 211 Cable Type 1 1 Jacket Color gray Type of Certificate cURus  Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4  | Mounting method                          | inserted, screwed, Shaking protection   |
| Operating temperature max. 85 °C Additional condition temperature range 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 ties.  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  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Environmental characteristics   Climatic |   |
| Additional condition temperature range 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 ties.  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  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate oURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) PVC  Amount wires 4   | Operating temperature min.               | -25 °C  |
| 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.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         211           Cable Type         1         1           Jacket Color         gray         1           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4  <  | Operating temperature max.               | 85 °C   |
| Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Additional condition temperature range   | 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  Cable identification  211  Cable Type  1  Jacket Color  gray  Type of Certificate  Amount stranding  1  Stranding  4 wires twisted  brown, black, blue, white  Shore hardness jacket  PVC  Shore hardness jacket  4,8 mm  Tolerance outer diameter (sheath)  4 WC  Amount wires  4 Material wire insulation  PVC  Amount wires  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending froces.   | Important installation notes             |   |
| endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Note on strain relief                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable    Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Note on bending radius                   |   |
| Installation   Cable       Cable identification     211       Cable Type     1       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     34,76 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4  | Conformity                               |   |
| Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Product standard                         | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)   |
| Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4  | Installation   Cable                     |   |
| Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth34,76 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4  | Cable identification                     | 211   |
| Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Cable Type                               | 1   |
| Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4   | Jacket Color                             | gray  |
| Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC Amount wires 4   | Type of Certificate                      | cURus   |
| wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Amount stranding                         | 1   |
| Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  | Stranding                                | 4 wires twisted   |
| Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4  | wire arrangement                         | brown, black, blue, white   |
| Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Cable weigth                             | 34,76 g/m   |
| Freedom from ingredients (jacket)  Outer-diameter (jacket)  7 olerance outer diameter (sheath)  Atterial wire insulation  PVC  Amount wires  4 lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  5 %  PVC  4  |  | PVC   |
| Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Shore hardness jacket                    |   |
| Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4   | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, silicone-free  |
| Material wire insulation PVC Amount wires 4   | Outer-diameter (jacket)                  | 4,8 mm  |
| Amount wires 4  | Tolerance outer diameter (sheath)        | ± 5 %   |
|   | Material wire insulation                 | PVC   |
| Outer diameter insulation 1,25 mm   | Amount wires                             | 4   |
|   | Outer diameter insulation                | 1,25 mm   |

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: 2024-05-02



| Outer diameter tolerance core insulation          | ± 5 %  |
|---|--|
| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 14   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,25 mm <sup>2</sup>                                 |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 3,6 A  |
| Electrical resistance line constant wire          | 79 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -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                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |