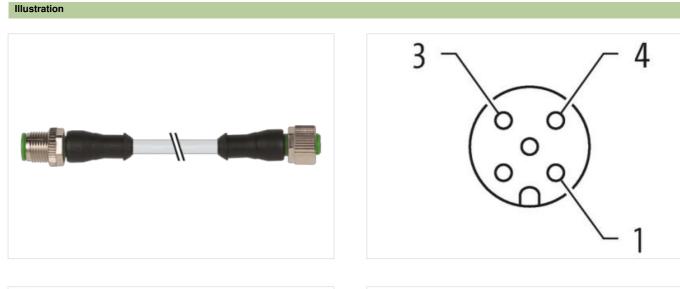


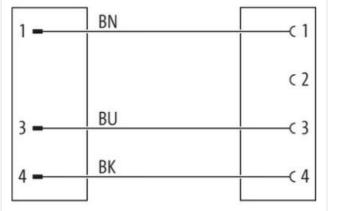
## M12 male 0° / M12 female 0° A-cod.

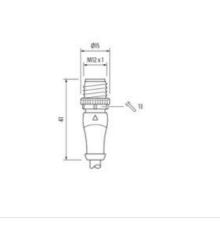
PVC 3x0.34 gy UL/CSA 2.5m

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

## Link to Product

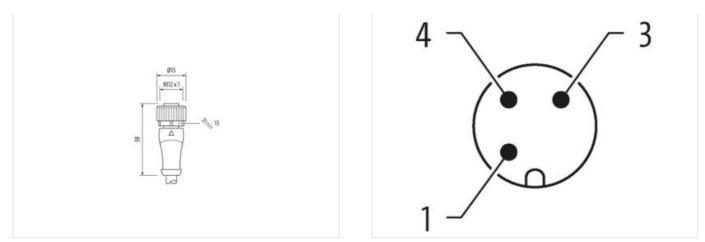






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





Product may differ from Image



| Cable length                              | 2,5 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             |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 3                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| Side 2                                    |                   |
| 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             |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 3                 |
| Width across flats                        | SW13              |
| 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          |

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| Packaging unit       1         Electrical data [Supply  | GTIN                                     | 4048879186377  |
|---|--|--|
| Operating voltage AC max.250 VOperating voltage AC (UL-listed)30 VOperating voltage AC (UL-listed)30 VOperating voltage AC (UL-listed)30 VCurrent operating voltage AC (UL-listed)30 VInstallation I ConnectionVMouring seltM2 x IPacification I ConnectionInstallation I ConnectionAdditional condition protection degreeinserted, screwedPaluicon Degree3Rated surge voltage2.5 kVMaterial group (IEC 6066-1)1Installation IC 6066-1)2.7 cc de-castingInstallation Interportium Inn.2.6 ° COperating temperature Inn.2.6 °   | Packaging unit                           | 1  |
| Operating voltage AC max.250 VOperating voltage AC (UL-listed)30 VOperating voltage AC (UL-listed)30 VOperating voltage AC (UL-listed)30 VCurrent operating voltage AC (UL-listed)30 VInstallation I ConnectionVMouring seltM2 x IPacification I ConnectionInstallation I ConnectionAdditional condition protection degreeinserted, screwedPaluicon Degree3Rated surge voltage2.5 kVMaterial group (IEC 6066-1)1Installation IC 6066-1)2.7 cc de-castingInstallation Interportium Inn.2.6 ° COperating temperature Inn.2.6 °   | Electrical data   Supply                 |  |
| Operating voltage DC max.       259 V         Operating voltage DC (UL-listed)       30 V         Carrent voltage DC (UL-listed)       30 V         Carrent operating per contact max.       4 A         Installation   Connection       Mouning set       M12 x 1         Device protection   Electrical       Installation protection degree       inserted, screwed         Additional condition protection degree       25 kV       Material group (EC 66664-1)         Material group (EC 66664-1)       1       Inserted, screwed         Coaling tocking       Nockeld       Coaling tocking         Coaling tocking       Nockeld       Coaling tocking         Mouning set       Jzr: die cassing       Material group (EC 6664-1)         Material soure (EC 66664-1)       Inserted, screwed, Shaking protection       Environmental         Devisiting material       Zir: die cassing       Mouning set       Goording time, assing         Mechanical data   Material data       Goording time, assing       Goording time, assing       Goording time, assing         Mechanical data   Material data       Sing Concernstreet (Sing Concer  |  | 250 V  |
| Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Contrant operating voltage AC (UL-listed)       30 V         Mourting set       M12 x 1         Mouting set       M12 x 1         Additional condition protection degree       inserted, screwed         Paluation Degree       3         Rated Surge voltage       2.5 kV         Material group (EC 06664.1)       1         Mechanical data   Material data       Contrast of the voltage         Coating tooking       Nickeled         Mounting mathed       Inserted, screwed, Shaking protection         Metherial data Information       28° °C         Operating temperature min.  | 1 0 0                                    |  |
| Operating per contat max.       4 A         Current operating per contat max.       4 A         Installation (Connection       Mouning set       M12 x 1         Device protection [Electrical  |  |  |
| Current operating per contact max.       4 A         Installation   Connection         Mounting bat       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2.5 kV         Material group (EC 6064-1)       1         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickel plated         Coating of fitting       on class reserved, Shaking protection         Everonmental characteristics   Climatio       on class reserved, Shaking protection         Everonmental characteristics   Climatio       operating memperature max.         Note on stain rollef       Protect the connectors by suitable measures from mechanicla loads, e.g. by the usage of cable lies.   |  |  |
| Instaliation   Connection       Mult x 1         Device protection   Electrical       Mult x 1         Device protection   Electrical       Mult x 1         Additional condition protection degree       Inserted, screwed         Polition Degree       8         Rated surge voltage       2.5 kV         Material group (EIC 60664-1)       1         Decimical data   Material data       Nickele plated         Coating of fitting       Nickele plated         Coating of metrial       Zinc die-casting         Material group metrial       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Sinc G         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Addition I condition temperature may.       departding on cable quality         Important installed for       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fes.         Note on stain allelef       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fes.         Note on stain allelef       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fes.         <  |  | 4 A  |
| Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge vortlage       2.5 kV         Material group (IEC 6064-1)       1         Mechanical data   Material data       Control         Coating locking       Nickeled         Coating locking of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Devictin temperature man.       425 °C         Operating temperature man.       425 °C         Operating temperature man.       425 °C         Commential characteristics   Climatie       Note on strain relief         Protoct tha connectors by suitable measures from mechanical loads. e.g. by the usage of cable lies.   |  |  |
| Additional condition protection degree       inserted, screwed         Pollution Degree       3         Bated surge voltage       2.5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Inserted surge voltage         Coating of thing       nickel plated         Coating of thing       nickel plated         Locking material       Zinc die-casting         Mechanical data   Mauring data       Inserted, screwed, Shaking protection         Exvironmental characteristics   Climatic       Bit S S C         Additional condition temperature range       depending on cable quality         Protect standard       DIN En N 61076-2-101 (M12)         Exale addition       213         Cable Ty  | Mounting set                             | M12 x 1  |
| Poliution Degree   3     Rated surge voltage   2,5 kV     Material group (EC 60664-1)   1     Mechanical data   Material data   Coating of Iting     nickle i plated   Coating of Iting     coating of Iting   nickle i plated     Looking material   Zinc die-casting     Material sorew connection   Zinc die-casting     Material sorew connection   Zinc die-casting     Mounting method   Inserted, screwed, Shaking protection     Environmental characteristics   Olimatic   Cooling on cable quality     Operating temperature min.   25 °C     Operating temperature min.   25 °C     Operating temperature min.   25 °C     Operating temperature max.   85 °C     Additional contition temperature mage   depending on cable quality     Important installation notes   Material counce/ors by suitable measures from mechanical loads, e.g. by the usage of cable fies.     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 1076-2-101 (M12)     Installation (Cable   213   Cable demiliation     Cable demiliation   213   Cable demiliation     Cable demiliation   214   Cable demiliatican </td <td>Device protection   Electrical</td> <td></td>  | Device protection   Electrical           |  |
| Poliution Degree       3         Rated surge voltage       2,5 kV         Material group (16 6 6064-1)       1         Mechanical data   Material data       Coating (16 6 6064-1)         Coating of timing       nickle plated         Coating of timing       nickle plated         Locking material       Zinc die-casting         Material sorew connection       Zinc die-casting         Mechanical data   Mounting method       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature min.       25 °C         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         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       UNE NS 1076-2-101 (M12)         Instatlation   Cable       UNE NS 1076-2-101 (M  | Additional condition protection degree   | inserted, screwed  |
| Rate surg voltage       2.5 kV         Material group (EC 6064-1)       I         Mechanical data [Material data       Casting locking         Coating locking and filting       nickeled         Coating of filting       nickeled         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Methanical data [Mounting data       Mounting method         Fervironmental characteristics [Climatic       Coperating temperature min.         Operating temperature max.       85 °C         Addition temperature max.       85 °C         Addition temperature max       85 °C         Addition temperature max.       85 °C         Addition temperature max.       85 °C         Note on stain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on stain relief       DIN EN 61076-2-101 (M12)         Installation (Cable       UN         Wire arrangement       brown, black, blue         Cable dentification       213         Cable Gold       Gable Gold         Type of Certitote       GIRus <td< td=""><td></td><td></td></td<>   |  |  |
| Material group (IEC 60664-1)       I         Mechanical data   Material data          Coating of King       Nickeled         Coating of King       Nickel plated         Locking material       Zinc die-casting         Material sorrer connection       Zinc die-casting         Mechanical data   Mounting method       inserted, sorrewed, Shaking protection         Environmental characteristics   Climatic          Operating temperature min.       -25 °C         Additional condition temporature range       depending on cable quality         Important installation notes          Note on strain rollef       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Attention: Observe the parmissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conomity          Product standard       DIN EN 61076-2-101 (M12)         Installation (Cable          wire arrangement       brown, black, blue         Cable Type       1         Cable Type       1         Anount stranding       1         Stranding       3 wires twisted         Wire arrangement       brown,  |  | 2.5 kV   |
| Mechanical data   Material data         Coating of fitting       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Commandia on cable quality         Operating temperature max.       85 °C         Additional condition temperature may.       85 °C         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       Chemingered by excessive bending forces.         Coatingti       protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       DIN EN 61076-2-101 (M1  |  |  |
| Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Conternation         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Importal installation notes       Attention: Observe the permissible bending radii when laying cables, e.g. by the usage of cable lies.         Nole on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.         Nole on strain relief       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Contomity       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.         Nole 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)         Installation (Cable)       Use Standarg       Standa |  |  |
| Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Coperating temperature min.       -25 °C.         Operating temperature min.       -25 °C.       Coperating temperature max.       85 °C         Additional condition temperature range       depending on cable quality       Material loads, e.g. by the usage of cable ties.         Additional condition temperature range       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive the permissible bending forces.         Contomity       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       vire arrangement       brown, black, blue         Coable identification       213       Cable identification         Que of straineding       1       Jacket Color       gray         Type of Certificate       CJRus       Amount strainding       1         Stranding       3 wires twisted       wires transgement       brown, black, blue         Cable weight       34.1 g/m       Material lacket       PVC <tr< td=""><td></td><td>Nickeled</td></tr<>  |  | Nickeled   |
| 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 max.       85 °C         Additional condition temperature max.       85 °C       Additional condition temperature max.       85 °C         Note on strain relief       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.         Note on strain relief       DIN EN 61076-2-101 (M12)         Installation (Cable       brown, black, blue         Cable identification       213         Cable identification       213         Cable identification       1         Stranding       1         Str  |  |  |
| Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Coperating temperature main.       -25 °C         Operating temperature main.       -25 °C       Coperating temperature main.       -25 °C         Operating temperature main.       -25 °C       Common temperature main.       -25 °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 strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.         Note on bending radius       Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       In EN 61076-2-101 (M12)         Installation   Cable       brown, black, blue         Cable identification       213         Cable identification       213         Cable viegh       01         Mount stranding       1         Stranding       3 wires twisted         Mise arangement       brown, black, blue   |  |  |
| 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       Inserted, screwed, sbaking protection sy suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         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.         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Userverting at the standard         wire arrangement       brown, black, blue         Cable Type       1         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires   |  |  |
| 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       Inserted, screwed, sbaking protection sy suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         Note on strin relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.         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.         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Userverting at the standard         wire arrangement       brown, black, blue         Cable Type       1         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires   | Mechanical data   Mounting data          | -<br>  |
| Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature may.       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       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)         Installation   Cable       Wire arrangement         brown, black, blue       Cable identification         213       Cable identification         213       Cable identification         213       Cable identification         1       Stranding         3 wires twisted       Wire arrangement         brown, black, blue       Cable identification         213       Cable identification         214       Gentificate         Afford (Stranding)       3 wires twisted         wire arrangement       brown, bla   |  | inserted, screwed, Shaking protection  |
| 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       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       wire arrangement       brown, black, blue         Cable identification       213       Cable identification         Zaket Color       gray       Type of Certificate       cURus         Amount stranding       1       Stranding       Stranding         Stranding       3 wires twisted       wire arrangement       brown, black, blue         Cable weigth       34,1 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)       4,6 mm       Tolerance outer diameter (jacket)       4,6 mm <td>Environmental characteristics   Climatic</td> <td></td>                   | Environmental characteristics   Climatic |  |
| 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       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       wire arrangement       brown, black, blue         Cable identification       213       Cable identification         Zaket Color       gray       Type of Certificate       cURus         Amount stranding       1       Stranding       Stranding         Stranding       3 wires twisted       wire arrangement       brown, black, blue         Cable weigth       34,1 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)       4,6 mm       Tolerance outer diameter (jacket)       4,6 mm <td>Operating temperature min</td> <td>-25 °C</td>                            | Operating temperature min                | -25 °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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   wire arrangement     wire arrangement   brown, black, blue     Cable identification   213     Cable IZ   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   Lead-tree, cadmium-free, CFC-free, silicone-free     Outer diameter (jacket)   4.6 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1.25 mm   |  |  |
| 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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       wire arrangement         wire arrangement       brown, black, blue         Cable Type       1         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable type       1         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       34.1 g/m         Material jacket       PVC         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lead-fr   |  |  |
| 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)         Installation   Cable       wire arrangement       brown, black, blue         Cable identification       213       Cable identification       213         Cable Identification       gray       Installation   Cable       Installation   Cable         wire arrangement       brown, black, blue       Cable identification       213         Cable Identification       gray       Installation   Cable       Installation   Cable         Wire arrangement       brown, black, blue       Cable identification       Installation   Cable         Type of Certificate       cURus       Amount stranding       Installation   Cable         Wire arrangement       brown, black, blue       Cable weigth       34,1 g/m         Material jacket       PVC       Shore A       Freedom from ingredients (jacket)       Iead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,6 mm       Tolerance outer diameter (sheath)  |  |  |
| Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be<br>endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       wire arrangement       brown, black, blue         Cable identification       213       Cable identification       213         Cable identification       213       Cable identificate       URus         Amount stranding       1       Jacket Color       gray         Type of Certificate       cURus       Amount stranding       1         Stranding       3 wires twisted       Stranding       1         Material jacket       PVC       Shore A       Stranding       1         Cable weigth       34,1 g/m       Material jacket       PVC       Shore A       Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)       4,6 mm       Tolevance outer diameter (sheath)       ± 5 %       Material wire insulation       PVC         Amount wires       3       Cuter diameter insulation       1,25 mm       Stranding       Stranding       Stranding       Stranding       Stranding       Stranding       Stra  | •  |  |
| Hole of Dending radius     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable       wire arrangement     brown, black, blue       Cable identification     213       Cable I Type     1       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 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)     4,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm  | Note on strain relief                    |  |
| Product standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangementbrown, black, blueCable identification213Cable Type1Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable veigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | 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       213         Cable Type       1         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       34,1 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)       4,6 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       PVC  | Conformity                               |  |
| wire arrangementbrown, black, blueCable identification213Cable Type1Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Product standard                         | DIN EN 61076-2-101 (M12)   |
| Cable identification213Cable Type1Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Installation   Cable                     |  |
| Cable Type1Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | wire arrangement                         | brown, black, blue   |
| Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Cable identification                     | 213  |
| Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Cable Type                               | 1  |
| Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Jacket Color                             | gray   |
| Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | Type of Certificate                      | cURus  |
| wire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | Amount stranding                         | 1  |
| Cable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | Stranding                                | 3 wires twisted  |
| Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | wire arrangement                         | brown, black, blue   |
| Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   4,6 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,25 mm  | Cable weigth                             | 34,1 g/m   |
| Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Material jacket                          | PVC  |
| Outer-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm   | Shore hardness jacket                    | 85 ± 5 Shore A   |
| Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm  | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, silicone-free   |
| Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,25 mm   |  | ·  |
| Amount wires   3     Outer diameter insulation   1,25 mm  |  |  |
| Outer diameter insulation 1,25 mm   |  |  |
|   |  |  |
|   |  |  |
| Outer diameter tolerance core insulation ±5%  | Outer diameter tolerance core insulation | ± 5 %  |

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| 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)                             | 19   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,34 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                   | 6 A  |
| Electrical resistance line constant wire          | 57 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)                | 0° 08  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 0° 08  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| 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                                  |

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