

## M12 female 0° A-cod. with cable shielded

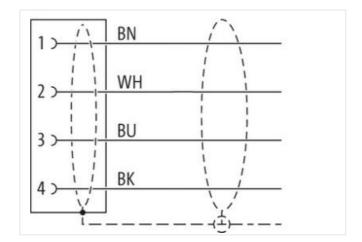
PVC 4x0.34 shielded gy 25m

Female straight M12, 4-pole shielded with cable sleeves 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

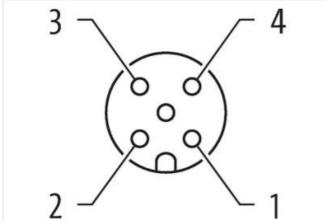
Illustration





N B

3





Product may differ from Image C E

Cable length

25 m

0,6 Nm

Side 1

Tightening torque

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: 2024-05-20

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



| Mounting method                          | inserted, screwed  |
|--|--|
| Family construction form                 | M12  |
| Thread                                   | M12 x 1  |
| Coding                                   | A  |
| Material                                 | PUR  |
| Width across flats                       | SW13   |
| Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67  |
| Commercial data                          |  |
| ECLASS-6.0                               | 27279218   |
| ECLASS-6.1                               | 27279218   |
| ECLASS-7.0                               | 27279218   |
| ECLASS-8.0                               | 27279218   |
| ECLASS-9.0                               | 27060311   |
| ECLASS-10.1                              | 27060311   |
| ECLASS-11.1                              | 27060311   |
| ECLASS-12.0                              | 27060311   |
| ETIM-5.0                                 | EC001855   |
| customs tariff number                    | 85444290   |
| GTIN                                     | 4048879200189  |
| Packaging unit                           | 1  |
| Electrical data   Supply                 |  |
| Operating voltage AC max.                | 60 V   |
| Operating voltage DC max.                | 60 V   |
| Current operating per contact max.       | 4 A  |
| Installation   Connection                |  |
| Mounting set                             | M12 x 1  |
| Device protection   Electrical           |  |
| Additional condition protection degree   | inserted, screwed  |
| Pollution Degree                         | 3  |
| Rated surge voltage                      | 1,5 kV   |
| Material group (IEC 60664-1)             | 1  |
| Mechanical data   Material data          |  |
| Coating locking                          | Nickeled   |
| Coating of fitting                       | nickel plated  |
| 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.               | -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 |
| Note on bending radius                   | endangered by excessive bending forces.  |
| Conformity                               |  |
| Product standard                         | DIN EN 61076-2-101 (M12)   |
| Installation   Cable                     |  |
| Cable identification                     | 330  |

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: 2024-05-20

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



| Anount Stranding   1     Stranding Idador min.   74 mm     Stranding Idador max.   74 mm     Cable shielding (type)   copper braid, finned     Cable shielding (type)   copper braid, finned     Cable shielding (type)   65 %     Banding   Fleece, Foll     Wrie arrangement   brown, black, blue, while     Cable weight   53.9 g/m     Matrial jacket   87 CC     Shore hardness jacket   85 Shore A     Freedom from ingredients (gacket)   16.9 mm     Tolerance outer diameter (sheath)   1.5 %     Material jacket   9.0 mm     Tolerance outer diameter insulation   1.4 rm     Outer diameter insulation   1.4 rm     Outer diameter insulation   1.5 %     Shore hardness wire insulation   1.8 rm     Outer diameter insulation   1.4 rm     Cardidameter insulation   1.4 rm     Cardidameter insulation   1.4 rm     Cardidactor vire   0.1 rm     Conductor crossection (wire)   0.24 mm <sup>2</sup> Material advired (socket)   0.9 V     Marx radvoradge (conductor - conduct)   50 V   | Jacket Color                               | gray   |
|---|--|--|
| Stranding factor min. 74 mm   Stranding factor mix. 74 mm   Cable shieling (tope) copper braid, timed   Cable shieling (coverage) 85 %.   Banding Fieeco, Foll   wire arrangement brown, black, blue, white   Cable weight 53.9 g/m   Material jacket 85 Shore A   Freedom from ingredents (galxett) lead-free, cantum-free, CPC-free   Outer diameter (jacket) lead-free, cantum-free, CPC-free   Outer diameter (galxett) is 5 %   Material jacket 4   Outer diameter (jacket) is 5 %   Material index for insulation 1.4 mm   Outer diameter insulation 1.4 mm   Outer diameter insulation 1.5 %   Material index five) 42   Dameter tolerance core insulation 85 Shore A   Ingredient feeness wire insulation 1.4 mm   Outer diameter insulation 1.4 mm   Outer diameter tolerance core insulation 85 Shore A   Ingredient feeness wire insulation 1.8 dFree, cantum-free, CPC-free   Amount strands five) 42   Diameter of single wires 0.1 mm   Conductor consection (wire) 0.34 mm <sup>2</sup> Material conductor venductory Stort A   Max rated voltag   | Amount stranding                           | 1  |
| Stranding factor max.74 mmCabb shielding (type)copper braid, tinnedCabb shielding (coverage)85 %BandingFleece. Folwirre arrangementbrown, black, blue, whiteCabb weight53.9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5.9 mmTolerance outer diameter (sheath)± 5 %Material wei insulationPVCAmount Wries4Outer diameter (sheath)± 5 %Shore hardness wei insulation5.9 mmOuter diameter (sheath)± 5 %Shore hardness wire insulation5.8 Shore ATolerance outer diameter (sheath)± 5 %Shore hardness wire insulation5.8 Shore ACutter diameter (solation)1.4 mmOuter diameter of longe wires0.1 mmConductor consection (wire)0.34 mm²Material vering (conductor - conductor)500 VMax. rated voltage (conductor - sonductor)50 V <td>Stranding</td> <td>4 wires twisted</td>   | Stranding                                  | 4 wires twisted                                      |
| Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, while       Cable shielding (coverage)     53,9 g/m       Material jackt     PVC       Shore hardness jackal     85 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     5,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jackt     PVC       Outer diameter (sheath)     ± 5 %       Material jackt     PVC       Shore hardness wire insulation     1,4 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,4 mm       Outer diameter tolerance core insulation     1,5 %       Shore hardness wire insulation     lead free, cadmium-free, CFC-free       Amount strands (wire)     0,34 mm <sup>2</sup> Canductor troessection (wire)     0,34 mm <sup>2</sup> Conductor vise insulation     lead free, cadmium-free, CFC-free       Amount strands (wire)     0,44 mm <sup>2</sup> Conductor type (wire) <t< td=""><td>Stranding factor min.</td><td>74 mm</td></t<>   | Stranding factor min.                      | 74 mm  |
| Cable shielding (coverage)     85 %       Banding     Fleece, Fol       wire arrangement     brown, black, blue, white       Cable weigth     53.9 g/m       Material jackat     PVC       Shore hardness jackat     85 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     5.9 mm       Tolerance outer diameter (sheath)     5.5 %       Material wre insulation     PVC       Amount wires     4       Outer diameter losalation     1.4 mm       Outer diameter losalation     5.5 %       Shore hardness wire insulation     1.4 mm       Outer diameter losalation     85 Shore A       Ingredient Treoness wire insulation     1.4 mm       Outer diameter losalation     85 Shore A       Ingredient Treoness wire insulation     1.4 mm       Conductor vires swire insulation     1.4 mm       Conductor vires swire insulation     4.0       Conductor vires swire insulation     4.8 A       Conductor vipe (wire)     5 frand deas 6       Max. rated voltage (conductor - onductor)     500 V   | Stranding factor max.                      | 74 mm  |
| Banding     Fleece, Foll       wire arrangement     brown, black, blue, white       Cable weigh     53.9 g/m       Material jacket     PVC       Shore hardness jacket     85 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer diameter (jacket)     5,9 mm       Tolerance outer diameter (gaket)     5,9 mm       Tolerance outer diameter (gaket)     1,5 %       Material wire insulation     PVC       Amount wires     4       Outer diameter (gaket)     1,4 mm       Outer diameter insulation     1,4 mm       Conductor consessection (wire)     0,34 mm²       Binnet or Single wires     0,1 mm       Conductor try (wire)     1,4 mm²       Material conductor wire     Strand class 6       Max. rated voltage (conductor- conductor)     500 V       Max. rated voltage (conductor- conductor)     500 V       Max. rated voltage (wire)     1,5 kV @ 60 s       Current   | Cable shielding (type)                     | copper braid, tinned                                 |
| wire arangement     brown, black, blue, white       Cable weight     53.9 g/m       Material jacket     PVC       Shore hardness jacket     85 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     5.9 mm       Tolerance outer diameter (sheath)     5.9 %       Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1.4 mm       Outer diameter insulation     85 Shore A       Ingredient freeness wire insulation     85 Shore A       Ingredient freeness wire insulation     85 Shore A       Ingredient freeness wire insulation     14 4rm       Conductor crossection (wire)     0.34 mm²       Material conductor vire     Stranded copper wire, bare       Conductor vire (sigle wires     0.1 mm       Conductor vire (sigle conductor - ground)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4 <  | Cable shielding (coverage)                 | 85 %   |
| Cable weigh     53,9 g/m       Material jacket     PVC       Shore hardness jacket     85 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     5,9 mm       Tolerance outer diameter (sheath)     1,6 %       Material wire insulation     PVC       Amount wires     4       Outer diameter (sheath)     1,5 %       Shore hardness wire insulation     1,4 mm       Outer diameter tolerance core insulation     2,5 %       Shore hardness wire insulation     85 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor vipe (wire)     strand class 6       Max. rated voltage (conductor - orgound)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4  | Banding                                    | Fleece, Foil   |
| Material jacket     PVC       Shore hardness jackat     85 Shore A       Freedom from ingredents (jacket)     lead-free, cadmium-free, CFC-free       Outer diameter (jacket)     5,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1.4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     16ad-free, cadmium-free, CFC-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.34 mm <sup>3</sup> Conductor vire     Strand elass 6       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (wire - wire)     1.5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     1.5 kV @ 60 s       Power frequency withstand voltage (wire - win  | wire arrangement                           | brown, black, blue, white                            |
| Shore hardness jacket 86 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free   Outer-diameter (jacket) 5.9 mm   Tolerance outer diameter (jacket) 1.5 %   Material wire insulation PVC   Amount wires 4   Outer diameter (solvant) 1.5 %   Shore hardness wire insulation 1.4 mm   Outer diameter tolerance core insulation 4.5 %   Shore hardness wire insulation 85 Shore A   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free   Amount strands (wire) 4.2   Diameter of single wires 0.1 mm   Conductor vossection (wire) 0.34 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor vire (wire) strand class 6   Max. rated voltage (conductor - orgound) 300 V   Current load capacity min. wire 4.8 A   Electrical resistance line constant wire 57 2/km @ 20 °C   AC withstand voltage (wire - wire) 1.5 kV @ 60 s   Min. operating temperature (sitcl) -30 °C   Min. operating temperature (kitcl) 80 °C   Operating temperature (min. (wirgmnic) 5 °C   Operating temperature (min. (wirgmnic) 5 °C   Operating temperature (min. (wirgmnic) 5   | Cable weigth                               | 53,9 g/m   |
| Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free     Outer-diameter (jacket)   5.9 mm     Tolerance outer diameter (jacket)   ± 5 %     Material wise insulation   PVC     Amount wires   4     Outer diameter insulation   1.4 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   ± 5 %     Shore hardness wire insulation   85 Shore A     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free     Amount strands (wire)   42     Diameter of single wires   0.1 mm     Conductor crosssection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   1.5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   1.5 kV @ 60 s     Ac withstand voltage (wire - wire)   1.5 kV @ 60 s     Mix. operating temperature (fixed)   80 °C     Operati  | Material jacket                            | PVC  |
| Outer-diameter (jacket)5.9 mmTolerance outer diameter (shealth) $\pm$ 5 %Material wire insulationPVCAmount wires4Outer diameter insulation $1.4$ mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Impredient freeness wire insulation $\pm$ 5 %Conductor crossection (wire)42Diameter of single wires0.1 mmConductor rossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareCurrent load capacity (standy)to DIN VDE 0298-4Current load capacity (standy)to DIN VDE 0298-4Current load capacity (standy)to DIN VDE 0298-4Current load capacity (standy voltage (wire)1.5 kV @ 60 sAc withstand voltage (wire)1.5 kV @ 60 sPower frequency withstand voltage (wire)30 °COperating temperature (static)-30 °CMax. operature (static)-30 °C<   | Shore hardness jacket                      | 85 Shore A   |
| Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   4     Outer diameter insulation   1.4 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   85 Shore A     Ingredient freeness wire insulation   16 %     Shore hardness wire insulation   85 Shore A     Ingredient freeness wire insulation   16 %     Shore hardness wire insulation   16 %     Ingredient freeness wire insulation   16 %     Diameter of single wires   0.1 mm     Conductor crosssection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - oroductor)   500 V     Max. rated voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - tipe (T_0 kM @ 20 °C   2     AC withstand v   | Freedom from ingredients (jacket)          | lead-free, cadmium-free, CFC-free                    |
| Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1,4 mm       Outer diameter insulation     15 %       Shore hardness wire insulation     85 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor resossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - ground)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Ca withstand voltage (wire - wire)     1,5 kV @ 60 s       Power frequency withstand voltage (wire - bield)     1,5 kV @ 60 s       Ac withstand voltage (wire - shield)     1,5 kV @ 60 s       Max. operating temperature (statc)     -30 °C       Ac withstand voltage (wire - shield)     1,5 kV @ 60 s       M   | Outer-diameter (jacket)                    | 5,9 mm   |
| Amount wires   4     Outer diameter insulation   1,4 mm     Outer diameter lolerance core insulation   ± 5 %     Shore hardness wire insulation   85 Shore A     Ingredient Freeness wire insulation   lead-free, cadmium-free, CFC-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - shield)   1,5 kV @ 60 s     Mix. operating temperature min. (fynamic)   -5 °C     Operating temperature min. (fynamic)   -5 °C     Operating temperature min. (fynamic)   70 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-relat  | Tolerance outer diameter (sheath)          | ± 5 %  |
| Outer diameter insulation     1.4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     85 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor rosssection (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - conductor)     500 V       Max. rated voltage (conductor - ground)     300 V       Current load capacity (standard)     to IN VDE 0298-4       Current load capacity (standard)     to IN VDE 0298-4       Current load capacity (win: • wire)     1,5 kV @ 60 s       Power frequency withstand voltage (wire - inform @ 0.5 V     4.8 A       Power frequency withstand voltage (wire - sheld)     1,5 kV @ 60 s       Min. operating temperature (fixed)     30 °C       Operating temperature (fixed)     80 °C       Operating temperature (fixed)   | Material wire insulation                   | PVC  |
| Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   85 Shore A     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - ground)   300 V     Current load capacity (strandard)   to DIN VDE 0298-4     Current load capacity (win, wire   4,8 A   | Amount wires                               | 4  |
| Shore hardness wire insulation   85 Shore A     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor cossection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - orgound)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - shield)   1,5 kV @ 60 s     Ac withstand voltage (wire - shield)   1,5 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature (fixed)   80 °C     Operating temperature (fixed)   80 °C     Operating temperature (fixed)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing   | Outer diameter insulation                  | 1,4 mm   |
| Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - orgound)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature (static)   -5 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature min. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     <  | Outer diameter tolerance core insulation   | ±5%  |
| Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wine - wire)   1,5 kV @ 60 s     Ac withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - shield)   1,5 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (ifxed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance <td>Shore hardness wire insulation</td> <td>85 Shore A</td>  | Shore hardness wire insulation             | 85 Shore A   |
| Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity win. wire   4,8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - insket)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - insket)   1,5 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Qoperating temperature max. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 <   | Ingredient freeness wire insulation        | lead-free, cadmium-free, CFC-free                    |
| Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   1,5 kV @ 60 s     AC withstand voltage (wire - shield)   1,5 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Operating temperature (wine)   -5 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing   | Amount strands (wire)                      | 42   |
| Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   1,5 kV @ 60 s     AC withstand voltage (wire - shield)   1,5 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (mixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, applicati   | Diameter of single wires                   | 0,1 mm   |
| Conductor type (wire)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     AC withstand voltage (wire - shield)   1,5 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature min. (dynamic)   5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, app   | Conductor crosssection (wire)              | 0,34 mm <sup>2</sup>                                 |
| Max. rated voltage (conductor - conductor)   500 V     Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire -<br>jacket)   1,5 kV @ 60 s     AC withstand voltage (wire - shield)   1,5 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Go  | Material conductor wire                    | Stranded copper wire, bare                           |
| Max. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1.5 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)1.5 kV @ 60 sAC withstand voltage (wire - shield)1.5 kV @ 60 sAC withstand voltage (wire - shield)1.5 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter  | Conductor type (wire)                      | strand class 6                                       |
| Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter   | Max. rated voltage (conductor - conductor) | 500 V  |
| Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter   | Max. rated voltage (conductor - ground)    | 300 V  |
| Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingOil | Current load capacity (standard)           | to DIN VDE 0298-4                                    |
| AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Power frequency withstand voltage (wire -<br>jacket)   1,5 kV @ 60 s     AC withstand voltage (wire - shield)   1,5 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)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   S × Outer diameter   | Current load capacity min. wire            | 4,8 A  |
| Power frequency withstand voltage (wire -<br>jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter   | Electrical resistance line constant wire   | 57 Ω/km @ 20 °C                                      |
| jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo od, application-related testingOil resistanceSo od od, application-related testingOil resistanceSo od   | AC withstand voltage (wire - wire)         | 1,5 kV @ 60 s  |
| Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter  |  | 1,5 kV @ 60 s  |
| Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingStanceSoud, application-related testingOil resistanceSoud, application-related testingStanceSoud, application-related testingOil resistanceSoud, application-related testingStanceSouter diameter   | AC withstand voltage (wire - shield)       | 1,5 kV @ 60 s  |
| Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   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  | Min. operating temperature (static)        | -30 °C   |
| Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter  | Max. operating temperature (fixed)         | 80 °C  |
| Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   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  | Operating temperature min. (dynamic)       | -5 °C  |
| 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   | Operating temperature max. (dynamic)       | 70 °C  |
| Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter   | Flame resistance                           | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| Oil resistance Good, application-related testing   DIN EN 60811-404   Bending radius (fixed) 5 x Outer diameter   | chemical resistance                        | Good, application-related testing                    |
| Bending radius (fixed) 5 x Outer diameter   | Gasoline resistance                        | Good, application-related testing                    |
|   | Oil resistance                             | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (dynamic) 15 x Outer diameter  | Bending radius (fixed)                     | 5 x Outer diameter                                   |
|   | Bending radius (dynamic)                   | 15 x Outer diameter                                  |

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: 2024-05-20