

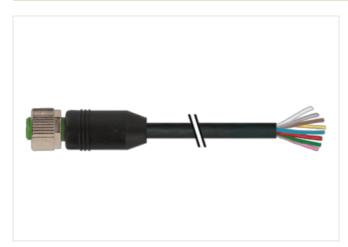
## M12 female 0° A-cod. with cable

PUR 8x0.34 bk UL/CSA+drag ch. 2m

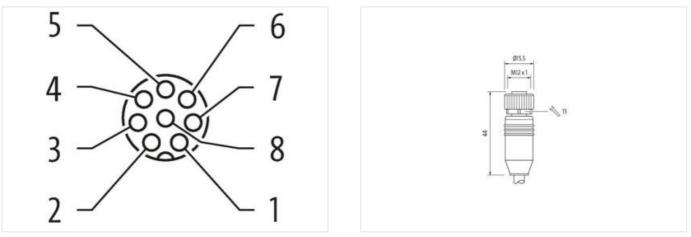
Female straight M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



| WH |                                  |
|----|----------------------------------|
| BN |                                  |
| GN |                                  |
| YE |                                  |
| GY |                                  |
| РК |                                  |
| BU |                                  |
| RD |                                  |
|    | BN<br>GN<br>YE<br>GY<br>PK<br>BU |



Product may differ from Image



2 m

0,6 Nm

Cable length

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: 2024-05-18

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                                     | 4065909091050                                                                                                                                     |
| Packaging unit                           | 1                                                                                                                                                 |
| Electrical data   Supply                 |                                                                                                                                                   |
| Operating voltage AC max.                | 30 V                                                                                                                                              |
| Operating voltage DC max.                | 30 V                                                                                                                                              |
| Operating voltage AC (UL-listed)         | 30 V                                                                                                                                              |
| Operating voltage DC (UL-listed)         | 30 V                                                                                                                                              |
| Current operating per contact max.       | 2 A                                                                                                                                               |
| Installation   Connection                |                                                                                                                                                   |
|                                          |                                                                                                                                                   |
| Mounting set                             | M12 x 1                                                                                                                                           |
| Device protection   Electrical           |                                                                                                                                                   |
| Additional condition protection degree   | inserted, screwed                                                                                                                                 |
| Pollution Degree                         | 3                                                                                                                                                 |
| Rated surge voltage                      | 0,8 kV                                                                                                                                            |
| Material group (IEC 60664-1)             | I                                                                                                                                                 |
| 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.                                               |
| 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. |
| Installation   Cable                     |                                                                                                                                                   |
| Cable identification                     | 664                                                                                                                                               |
| Cable Type                               | 3                                                                                                                                                 |

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

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



| Type of Cardificate     cURus       Amount standing     1       Stranding     8 wires around Core filler twisted       Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weight     64,9 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (sharth)     ± 5 %       Material insulation     PP       Amount wires     8       Outer diameter insulation     1.45 mm       Outer diameter insulation     1.5 %       Store hardness wire insulation     163 ± 5 Shore D       Ingredient freenees wire insulation     163 ± 5 Shore D       Ingredient freenees wire insulation     163 ± 5 Shore D       Ingredient freenees wire insulation     163 ± 5 Shore D       Conductor type wire     0.1 mm       Conductor row wire insulation     163 ± 5 Shore D       Ingredient freenees wire insulation     15 ± 5 Shore D       Conductor t                                                                                                                                                                   | Jacket Color                             | black                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------|
| Stranding     8 wires around Core filler twisted       Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weigth     64.9 g/m       Material jackat     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, OFC-free, halogen-free, elicone-free       Outer-diameter (jacket)     6.9 mm       Tolerance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     8       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     1.45 rm       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     163 three, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 rm       Conductor or weissection (wire)     0.34 rm²       Canductor or weissection (wire)     51 randed capper wire, bare       Conductor wire     Stranded capper wire, bare       Conductor or weissection (wire)     600 V       Current load capacity rim, wi                                                                                                                        | Type of Certificate                      | cURus                                                          |
| Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weigh     64,9 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-tree, CFC-tree, halogen-free, silicone-free       Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1,45 mm       Cuttor diameter tolerance core insulation     1,45 mm       Cuttor diameter tolerance core insulation     1,45 mm       Conctordiameter tolerance core insulation     1,45 mm       Conductor crossection (wire)     0,1 mm       Conductor crossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor trossection (wire)     5,8 m 26 °C   horizontal       Nominal voltage AC max     600 V       Current load capacity (strandard)     to DIN VDE 0289.4       Current load capacity (min, wire)     64 X       Elecricial resistance     60 VX @ 60 s                                                                                                                                             | Amount stranding                         | 1                                                              |
| white arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weight     64.9 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6.9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1.45 mm       Outer diameter insulation     6.5 ± 5 %       Shore hardness wire insulation     6.5 ± 5 Shore D       Ingredient freeness wire insulation     1.45 mm       Outer diameter lolerance core insulation     1.42 mm       Conductor crosssection (wire)     0.34 mm²       Conductor crosssection (wire)     0.34 mm²       Conductor vise     Stranded copper wire, bare       Conductor vise     Stranded copper wire, bare       Conductor wire     Stranded copper wire,                                                                                                                                     | Stranding                                | 8 wires around Core filler twisted                             |
| Cable weigh64,9 g/mMaterial jacketPURMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)1 ± 5 %Material wire insulationPPAmount wires8Outer diameter lolarance core insulation1,45 mmOuter diameter lolarance core insulation1,45 mmOuter diameter lolarance core insulation1,5 %Shore hardness wire insulation65 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount stands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0,34 mm²Material conductor wireStranded coper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage (Vire)6 kV @ 60 sVorrent load capacity (stander)6 V W @ 60 sConductor mereture (statio)-40 °CMax. operating temperature (statio)-25 °COperating temperature (statio)90 °COperating temperature (statio)-25 °COperating temperature (statio)-40 °CMin. operating temperature (statio)-40 °CMin. operating temperature (statio)-25 °COperating temperature (statio)-25 °COperating temperature (statio)-25 °COperating temperature (statio)                          | Filler                                   | yes                                                            |
| Material jacket     PUR       Shore hardness jackal     90 ± 5 Shore A       Freedom Tron ingredients (jacket)     lead-Hee, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (soleath)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter rulerance orie insulation     ± 5 %       Shore hardness wire insulation     65 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount wires     0.1 mm       Conductor crosseaction (wire)     0.34 mm²       Material conductor wire     Strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max     600 V       Current load capacity min. wire     4 A       Electrical resistance line constant wire     60 XDM @ 20 °C       Ac withstand voltage (wire - i)     6 kV @ 60 s       Power frequency withstand voltage (wire - i)     6 kV @ 60 s       Power frequency withstand voltage (wire - i)     6 kV @ 60 s       Power frequency withstand voltage (wire - i)     6 kV @ 60                                                                                          | wire arrangement                         | brown, white, red, blue, pink, gray, yellow, green             |
| Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (headm)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter foulation     1.45 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     65 ± 5 Shore D       Ingredient freeness wire insulation     64 ± 5 %       Mount 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 type (wire)     strande dass 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 V       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (winthand voltage (wire - wire)     6 kV @ 60 s       Min: operating temperature (statc)     40 °C       Mix. operating temperature (                                                                                                                    | Cable weigth                             | 64,9 g/m                                                       |
| Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   6.9 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   8     Outer diameter folerance ore insulation   ± 5 %     Shore hardness wire insulation   65 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free     Amount strands (wire)   42     Diameter of bige wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material wire insulation   tsrandel copper wire, bare     Conductor vire   Strandel copper wire, bare     Conductor vire   Strandel copper wire, bare     Conductor wire   Strandel copper wire, bare     Conductor vire   Strandel copper wire, bare     Conductor wire   Strandel copper wire, bare <td< td=""><td>Material jacket</td><td>PUR</td></td<>                                                                                                                         | Material jacket                          | PUR                                                            |
| Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1.45 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     6.9 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor consessection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min, wire     4 A       Electrical resistance line constant wire     60 Ωkm @ 20 °C       AC withstand voltage (wire - wire)     6 kV @ 60 s       Power frequency withstand voltage (wire - wire)     6 kV @ 60 s                                                                                                                            | Shore hardness jacket                    | 90 ± 5 Shore A                                                 |
| Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   8     Outer diameter insulation   1.45 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   65 ± 5 Shore D     Ingredient freeness wire insulation   65 ± 5 Shore D     Ingredient freeness wire insulation   64 ± 2     Diameter of single wires   0,1 mm     Conductor rossesction (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity min. wire   4 A     Electrical resistance line constant wire   60 G N/m @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Min. operating temperature (statc)   40 °C     Max. operating temperature (statc)   90 °C     Operating temperature (statc)   90 °C <tr< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></tr<>                                                                             | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1,45 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     65 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor rossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4 A       Electrical resistance line constant wire     60 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     6 kV @ 60 s       Power frequency withstand voltage (wire - wire)     6 kV @ 60 s       Min. operating temperature (statlc)     -40 °C       Max. operating temperature (statlc)     -25 °C       Operating temperature max. (dynamic)     -25 °C                                                                                                                        | Outer-diameter (jacket)                  | 6,9 mm                                                         |
| Amount wires   8     Outer diameter insulation   1.45 mm     Outer diameter tolerance core insulation   15 %     Shore hardness wire insulation   65 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-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     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AG max.   600 V     Current load capacity tistandrol to DIN VDE 0298-4   Current load capacity min. wire     4 A   Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s   Power frequency withstand voltage (wire - facket)     Min. operating temperature (static)   -40 °C   Max. operating temperature (static)   -40 °C     Max. operating temperature (static)                                                                                                    | Tolerance outer diameter (sheath)        | ±5%                                                            |
| Outer diameter insulation     1.45 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     65 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to O1 V/m @ 0 °C       Ac withstand voltage (wire - wire)     6 kV @ 60 s       Power frequency withstand v                                                                             | Material wire insulation                 | PP                                                             |
| Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     66 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-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       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 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 (wire - wire)     6 KV @ 60 s       Power frequency withstand voltage (wire - feace of a concerting temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     90 °C       UV resistance     DIN EN ISO 4892-2 A                                                                                | Amount wires                             | 8                                                              |
| Shore hardness wire insulation     65 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossesection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     600 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VE 0298-4       Current load capacity (standard)     to DIN KM @ 0 °C       Diacketj     6 kV @ 60 s       Min: operating temperature (stati                                                                              | Outer diameter insulation                | 1,45 mm                                                        |
| Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-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     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4 A     Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   90 °C     Operating temperature min. (dy                                                                                                                                | 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     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity min. wire   4 A     Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - vire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   4 k °C     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature mix. (dynamic)   90 °C     <                                                                                                                                                                       | Shore hardness wire insulation           | 65 ± 5 Shore D                                                 |
| 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     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   6 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C <t< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></t<> | Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nomial voltage AC max.   600 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 A     Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing <td>Amount strands (wire)</td> <td>42</td>                                                            | Amount strands (wire)                    | 42                                                             |
| Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   60 Q/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x                                                                                                  | Diameter of single wires                 | 0,1 mm                                                         |
| Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4 A     Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   - 6 kV @ 60 s     Nin. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter                                                                                                                                                                                                                    | Conductor crosssection (wire)            | 0,34 mm <sup>2</sup>                                           |
| Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   600 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4 A     Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   6 kV @ 60 s     Nin. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter                                                                                                                                                                                                                                                                                                      | Material conductor wire                  | Stranded copper wire, bare                                     |
| Nominal voltage AC max.600 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                            | Conductor type (wire)                    | strand class 6                                                 |
| Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Traversing distance (C-track)            | 5 m @ 25 °C   horizontal                                       |
| Current load capacity min. wire4 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Nominal voltage AC max.                  | 600 V                                                          |
| Electrical resistance line constant wire   60 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   6 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   6 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 08011-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Current load capacity (standard)         | to DIN VDE 0298-4                                              |
| AC withstand voltage (wire - wire)6 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Current load capacity min. wire          | 4 A                                                            |
| Power frequency withstand voltage (wire -<br>jacket)6 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Electrical resistance line constant wire | 60 Ω/km @ 20 °C                                                |
| jacket)o KV (0 o 0 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AC withstand voltage (wire - wire)       | 6 kV @ 60 s                                                    |
| Max. operating temperature (fixed)90 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistance10 x Outer diameterBending radius (fixed)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          | 6 kV @ 60 s                                                    |
| Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)90 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Min. operating temperature (static)      | -40 °C                                                         |
| Operating temperature max. (dynamic)   90 °C     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Max. operating temperature (fixed)       | 90 °C                                                          |
| UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Operating temperature min. (dynamic)     | -25 °C                                                         |
| Flame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Operating temperature max. (dynamic)     | 90 °C                                                          |
| chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UV resistance                            | DIN EN ISO 4892-2 A                                            |
| Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Flame resistance                         | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2            |
| Oil resistance DIN EN 60811-404   Good, application-related testing   Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | chemical resistance                      | Good, application-related testing                              |
| Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Gasoline resistance                      | Good, application-related testing                              |
| Bending radius (dynamic) 10 × Outer diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Oil resistance                           | DIN EN 60811-404   Good, application-related testing           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bending radius (fixed)                   | 5 x Outer diameter                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bending radius (dynamic)                 | 10 x Outer diameter                                            |
| I ravel speed (C-track) 5 Mio. @ 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Travel speed (C-track)                   | 5 Mio. @ 25 °C                                                 |
| No. of torsion cycles 2 Mio.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No. of torsion cycles                    | 2 Mio.                                                         |
| Torsion stress ± 180 °/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Torsion stress                           | ± 180 °/m                                                      |
| Torsion speed 35 cycles/min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Torsion speed                            | 35 cycles/min                                                  |

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

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