

M12 male 0° / M12 female 0° shielded

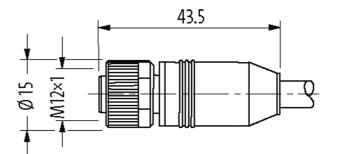
PUR 8x0.25 shielded gy UL/CSA+drag chain 6m

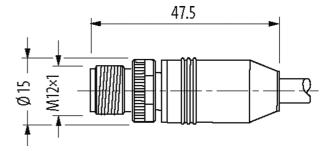
Male straight – female straight M12 – M12, 8-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image

| Approvals | | |
|--------------|--|--------|
| | * only for products with UL/CSA approved cable | cCSAus |
| Listed | | |
| Form | | |
| Form | 48041 | |
| General data | | |

| Standards | DIN EN 61076-2-101 (M12) |
|-----------------------|---------------------------------------|
| Temperature range | -25+85 °C, depending on cable quality |
| Cables | |
| No./diameter of wires | 8× 0.25 mm ² |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 11/20

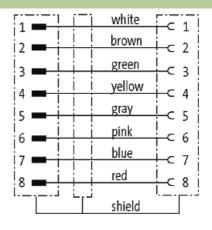


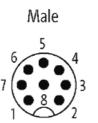
| Wire isolation IP (wh, br. gr., ye, gr., bl. ot) Catack properties 5 Mo. Material (growel) PUR (JUL/SK) Cutar 0 7.0 mm :5%. Each ratus (moving). 10- cuter 0 Temperature range (toted) 4000 * C Cable Identification 23 I Cable Identification 20 I/UR Identification Approval (cable) ULRs (AMM Syle 20540) 10430; CE conform Cable Identification max. 73 0/m (20 * C) Single Wire B(cole) 3 - 0.26 mm? AWCI animize to XWO 24 Material property (vire Isolaton) CPC - halogen, cadmium, silicone- and lead-free Single Importer (vire Isolaton) 70 - 50 Importer vire Isolaton Cable thorings (vire Isolaton) PC - halogen, cadmium, silicone- an | 14 P 1 1 1 | |
|---|------------------------------------|--|
| Material (jackel) PUR (ULOSA) Cuter (0 7.0 mm 45%. Born radius (moving) 10 - oulor (0 Temperature range (mobile) 25480 °C Cable (dentification 291 Cable (dentification) 291 Cable (dentification) 291 Cable (optimization) 201480 °C Cable (dentification) 291 Cable (dentification) CBU wide, bare Resider (core) 0.1 mm Construction (core) 92+0.1 mm (multi-strand wire datas 6) Diameter (core) 8-0.25 ma* AWG smillar to AWG 24 Material (wrie location) PP Material (wrie location) CPC-, halogen-, cadmium-, silicone- and lead free Stron hachress (wrie location) 12 th mm 5%. Colormatoris of wries thrw, rd, bi, rk, ry, e, on Stranding combination 8 wires twisted around central filler Stranding conti | Wire isolation | PP (wh, br, gn, ye, gr, pk, bl, rd) |
| Duter Ø 7.0 mm 15% Bend radiu (moving) 10× cuber Ø Temperature range (mobile) 4580 °C Cable identification 291 Cable weights/m) 78.10 Material (wing) Cu viric baro Restort (core) max. 79 QKm (20 °C) Single wir Ø (Core) 0.1 mm Construction (core) 8-0.25 mm² AVKO similar to MVG 24 Material (wire locataion) PP Material groups (wire locataion) 7.0 5.0 Stron tarrises (location) 7.0 5.0 Material groups (wire locataion) 7.0 5.0 Material groups (wire locataion) 7.0 for 0.0 Stron tarrises (locataionation 8 wires buisted around contrat filler </td <td>C-track properties</td> <td></td> | C-track properties | |
| Berd radius (moving) 10× outer Ø Temperature range (mobile) 42540° C Cable identification 251 Cable weight (gm) 0LRus (AMM.Style 20549/10493); CE conform Cable weight (gm) 78.10 Material (wite) Cu wire, bare Pesidor (core) max. 79 Okm (20 °C) Single weight (gm) 0.1 mm Construction (core) 32-0.1 mm (multi shard wire dass 6) Dametter (core) 8.0 252 mm² AVX0 similar to AWG 24 Material property (wire isolation) PP Metrial incolution 1.2 m ±5% Colorishumbering of Wires bir, wir, tob, gr., o, gm Standing combination 1.2 m ±5% Colorishumbering of Wires bir, wire, tob, di gaschin Colorishumbering of Wires bir, wire, tob, di gaschin Standing combination 8 wires Weisde around contral filler Standing combination 9 wires | Material (jacket) | PUR (UL/CSA) |
| Temperature range (inset) 4040° °C Temperature range (inset) 2540° °C Cable Type 3 (PUR) Approval (cable) CURs (AVM-Style 2054/10433); CE conform Cable Type 3 (PUR) Approval (cable) CURs (AVM-Style 2054/10433); CE conform Cable weight [gm] 76,0 Material (wire) Cu wire, bare Resistor (core) max.79 0km (80 °C) Single wire 0 (core) 0.1 mm Construction (core) 32× 0.1 mm (multistand wire datas 6) Diameter (core) 8× 0.25 mm! AVC aimmet to AVG 24 Material (wire isolation) PP Material (wire isolation) PP Material (wire isolation) 70 ±5 D Wire Orth isolation 1.2 mm ±5% ColorimuteDring of wires br.wh, N, U.B.Ly Gr.yre, gr. Stranding combination 8 wires twisted around central filter Shire hardmess (jacket) PUR ColorimuteDring of wires Dr.wh, N, U.B.Ly Gr.yre, gr. Stranding combination 8 wires twisted around central filter Shire hardmess (jacket) PUR Color (jackot) P | Outer Ø | 7.0 mm ±5% |
| Temperature range (mobile) 25480 °C Cable identification 291 Cable veget cultRus (ANMA-Style 20540110493); CE conform Cable veget 0.1 min Resistor (core) max. 73 0.hm (20 °C) Single wire Ø (core) 0.1 min Construction (core) 32-0.21 mm (multi stand wire dass 8) Diameter (core) 8-0.25 mm² AWC aimlar to AWQ 24 Material (wire isolation) PP Material (wire isolation) 7.0 + 5.0 Vire - Sind Lisolation 1.2 ms. 5% Colorhumbering of wires b1, wh. rd, b1, bk, gr, ye, gn Stranding combination 8 wires wired around central filler Sheld yes Material (isoket) PUR Material (isoket) PUR Material (isoket) 9.0 + A Outer-Ø (jacket) 7.0 mm. 5% Color (disket) grav Tennestanco fiame relandant UL 1581 VWH / CSA FT1 / IEC 60332-1. IEC 603 | Bend radius (moving) | 10× outer Ø |
| Cable Identification 291 Cable Identification 291 Cable Type 3 (FUR) Approval (cable) cURus (AWM-Style 20549/10433); CE conform Cable Weight [bm1] 78.10 Material (wire) Cu wire, bare Pesisator (coro) max. 79 0.4m (20 °C) Single wire 04 (coro) 0.1 mm Construction (coro) 32× 0.1 mm (multi-stand wire datas 6) Diameter (coro) 8+ 0.25 mm² AWC similar to AWG 24 Material (wire isolation) PP Material (wire isolation) 70 ± D Wires-Onic Isolation 1.2 mm =5% Colorthumbering of wires br , wh. (d. b. jkk gr. yu, un Stranding combination 8 wires isolation Yes PUR Material (scket) 7.0 mm =5% Colorthumbering of wires 5.0 A Material (scket) PUR Material (scket) PUR Material (scket) 7.0 mm =5% Color (scket) 7.0 mm =5% Color (scket) 7.0 mm =5% Color (scket) 7.0 mm =5% | Temperature range (fixed) | -40+80 °C |
| Cable Type 9 (PUR) Approval (cable) cDRus (AVM Skyle 20549/10493); CE conform Cable weight [gin] 76,0 Material (wire) Cu wire, bare Resistor (core) max. 79 (Arm (20 °C)) Single wire O(core) 0.1 mm Construction (core) 84:025 mm² Canstruction (core) 84:025 mm² Material (wire isolation) PP Material property (wire isolation) CPC-c, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 fb Wire-8 ind. isolation 1.2 mm +5% Calor/mubering of wires br., wh., d, bl., bg. yue, gn Stranding combination 8 wires twisted around central filler Shore hardness (wire loadion) PUB Material property (acket) CFC-, halogen -, cadmium-, silicone- and lead-free, matil, low-adhesion, machine easy to process, abrasion- reastant hydrolysis and microbial resistant Shore hardness (gackot) 90 fb A Calor (gackot) 70 mm 25% Calor (gackot) 70 m 25% Calor (gackot) 70 m 25% Calor (gackot) 70 m 25% Calor (gac | Temperature range (mobile) | -25+80 °C |
| Approval (cable) cURus (AWIA-Style 20549/10493); CE conform Cable weight [gm] 78,10 Resider (core) max. 79 0.km (20 °C) Single wie Ø (core) 0.1 mm Construction (core) 32 + 0.1 mm (multi-strand wire class 6) Diameter (core) 32 + 0.1 mm (multi-strand wire class 6) Diameter (core) 32 + 0.1 mm (multi-strand wire class 6) Diameter (core) 32 + 0.1 mm (multi-strand wire class 6) Diameter (core) 8 + 0.25 mm? AWG similar to AWG 24 Material property (wire isolation) PP Material property (wire isolation) 70 + 5.0 Wire-O ind. Isolation 1.2 mm ±5% Colorhumbering of wires br, wh, rd, bl, pl, gr, ye, gn Stranding combination 8 wires twisted around central filler Shied yes min. 80% CFC-, halogen-, cadmium-, silicone- and lead-free, mat, low-adhesion, machine easy to process, abrasion-resistant, tydrolysis and microbal resistant Shoe hardness (jacket) 90 ± 5.A Outer-Ø (jackat) 7.0 mm ±5% Calor (jackat) gray charriacel stance fame retardant UL 1581 VW1 / CSA F11 / IEC 60332 + 2.2 Nominal v | Cable identification | 291 |
| Cable weight [gim] 78,10 Material (wire) Cu wire, Dare Resistor (core) max.79 A/km (20 °C) Single wire 90 (core) 0.1 mm Construction (core) 32+ 0.1 mm (multi-strand wire class 6) Dlameter (core) 8+ 0.25 mm² AWG similar to AWG 24 Material (wire isolation) PP Material property (wire isolation) CPC, halogen, cadmium, silicone- and lead-free Shore hardness (wire isolation) 70 ± 5D Wire-0 incl.isolation 1.2 mm ± 5% Colorinumbering of wires br, wh, rd, bl, pd, gr, ye, gn Stranding combination 8 wires twisted around central filler Shield yes min.80% min.80% Material property (jacket) CPC-, halogen, cadmium, silicone- and lead-free, mat, tow-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5A Color (jacket) PUR Material resistance good resistance to oil, gasoline and chemicats (EN 60811-404) thermal resistance fame retardant UL 1581 VWI / CSAFT / IEC 60332-4 Nominal voltage 300 V AC Current load capacity | Cable Type | 3 (PUR) |
| Material (wire) Cu wire, bare Resistor (core) max. 79 Akm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 32-0.1 mm (multi-strand wire class 6) Diameter (core) 8 x 0.25 mm² AWG similar to AWG 24 Material (wire isolation) PP Material (wire isolation) CPC - halogen-, cadmum-, silicone - and lead-tree Shore hardness (wire isolation) TO +5D Vire - Ølnd: Joalon 1.2 mm 25% Colgrinumbering of wires br. wh. rd. bl. pk. gr. ye. gn Stranding combination 8 wires twisted around central filler Shield yvs Material (isoket) PUR Material (isoket) PUR Material (isoket) GPC-7C, halogen-, cadmium-, silicone - and lead-free, mat. low-adhesion, machine easy to process, abrasion-resistant Shield yvs Material (isoket) PUR Material (isoket) GPC-7C, halogen - cadmium - silicone - and lead-free, mat. low-adhesion, machine easy to process, abrasion-resistance Glocht 7.0 mm 25% Color (iacket) 90 ± 5 A Colure (iacket) | Approval (cable) | cURus (AWM-Style 20549/10493); CE conform |
| Resistor (core) max. 79 0 km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 32 × 0.1 mm (multi-strand wire class 6) Diameter (core) 8× 0.25 mm ² AWG similar to AWG 24 Material property (wire isolation) PP AWG Shore hardness (wire isolation) 70 ± 5 D Wire-3 inol. isolation Shore hardness (wire isolation) 70 ± 5 D Wire-3 inol. isolation 1.2 mm ±5% Colorinumbering of wires br, wh, rd, bl, pk, gr, ye, gn Stranding combination 8 wires wisted around contral filler Shore hardness (icket) PUH Material (jacket) PUH Material (jacket) 90 ± 5 A Couler Ø (jacket) 7.0 mm ± 5%. Color (jacket) gray Color (jacket) gray Material (jacket) PUH Material (jacket) 90 ± 5 A Couler Ø (jacket) gray Color (jacket) gray Color (jacket) gray Color (jacket) 10 xm ± 5%. Color (jacket) gray Test voltag | Cable weight [g/m] | 78,10 |
| Single wire Ø (core) 0.1 mm Construction (core) 32× 0.1 mm (multi-strand wire dass 6) Diameter (core) 8× 0.25 mm² AWG similar to AWG 24 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen, cadmium-, silicone- and lead-free Share hardness (wire isolation) 70 ±5 D Wire -Oin, Isolation 8 wires wisted around central filler Stranding combination 8 wires wisted around central filler Shield yes Material (jackel) PUR Material property (jackel) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrobyis and microbial resistant Shield yes Material property (jackel) PUR Material property (jackel) PUR Material property (jackel) gray Color (jackel) 90 ±5 A Outer-Ø (jackel) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 WWI / CSA FT1 / IEC 60332-1, IEC 60 | Material (wire) | Cu wire, bare |
| Construction (core) 32× 0.1 mm (multi-strand wire class 6) Diameter (core) 8× 0.25 mm² AWG similar to AWG 24 Material (vire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) T0 ± 5 D Wire-Oinci. Isolation 1.2 mm ±5% Colorinumbering of wires br, wh. rd, bl, pk, gr, ye, gn Stranding combination 8 wires twisted around central filler Shide yes (min. 80% min. 80% Material (jacket) PUR Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrobysis an dinorobial resistant Shore hardness (jacket) 90 ± 5 A Coler (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-3.2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 5x.ouler Ø | Resistor (core) | max. 79 Ω/km (20 °C) |
| Diameter (core) 8 × 0.25 mm² AWG similar to AWG 24 Matorial (wire isolation) PP Material property (wire isolation) CPC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ± 5 D Wire-0 incl. isolation 1.2 mm ±5%. Colorhumbering of wires br, wh. rd. bl, pk, gr, ye, gn Shranding combination 8 wires wisted around central filler Shield yes min. 80% material (jacket) PUR Material (jacket) PUR Material (jacket) Material (jacket) PUR Material (jacket) PUR Material (jacket) PUR Material property (jacket) 7.0 mm ±5%. Color (jacket) 90 ± 5 A Outer-0 (jacket) gray Chemical resistance fiame retardant U. 1561 VW1 / CSA FT1 / EC 60332-1. EC 60332-2-2 Noninal voltage 2000 V AC Current toad capacity to DIN VDE 6298-4 Current toad capacity to DIN VDE 6298-4 Eend radius (fixed) 5 x outer Ø | Single wire Ø (core) | 0.1 mm |
| AWG similar to AWG 24 Material (wire isolation) PP Material (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ± D Wire-Øincl. isolation 1.2 mm ±5%. Colorinumbering of wires br, wh, rd, bl, pk, gr, ye, gn Stranding combination 8 wires twisted around central filter Shield yes Material (jacket) PUR Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt. low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 7.0 mm ±5%. Color (jacket) gray chemical resistance gara color (jacket) gray chemical resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2:2 Nominal voltage 2000 V AC Test voltage 2000 V AC Test voltage 2000 V AC Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) | Construction (core) | 32× 0.1 mm (multi-strand wire class 6) |
| Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Qincl. isolation 1.2 mm ±5% Coloriumbering of wires br, wh, rd, bl, pk, gr, ye, gn Stranding combination 8 wires bristed around central filler Shield yes min. 80% material filler Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) 7.0 mm ±5% Color (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VWH / CSA FT1 / IEC 60332-1, IEC 60332-12 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (mobile) -25480 °C (+40° °C at max. 10 000 operating hours) | Diameter (core) | 8× 0.25 mm ² |
| Atterial property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-3 incl. isolation 1.2 mm ±5% Colorhumbering of wires br, wh, rd, bl, pk, gr, ye, gn Stranding combination 8 wires twisted around central filler Shield yes min. 80% min. 80% Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) hermal resistance fiame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2.2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0289-4 Temperature range (ixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C C Varent Ø max. 5 m (horizontal) Traversing distance (C-track) | AWG | similar to AWG 24 |
| Shore hardness (wire isolation) 70 ±5 D Wire-Øincl. isolation 1.2 mm ±5%. Color/numbering of wires br, wh, rd, bi, pk, gr, ye, gn Stranding combination 8 wires twisted around central filler Shield yes min. 80% Material (jacket) Material (jacket) PUR Material property (jacket) CFC-, halogen - cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-0 (jacket) 7.0 mm ±5%. Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current Load capacity to DIN VDE 0298-4 Temperature range (ixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+40 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5x outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) <td< td=""><td>Material (wire isolation)</td><td>РР</td></td<> | Material (wire isolation) | РР |
| Shore hardness (wire isolation) 70 ±5 D Wire-Øincl. isolation 1.2 mm ±5%. Color/numbering of wires br, wh, rd, bi, pk, gr, ye, gn Stranding combination 8 wires twisted around central filler Shield yes min. 80% Material (jacket) Material (jacket) PUR Material property (jacket) CFC-, halogen - cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-0 (jacket) 7.0 mm ±5%. Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current Load capacity to DIN VDE 0298-4 Temperature range (ixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+40 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5x outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) <td< td=""><td>Material property (wire isolation)</td><td>CFC-, halogen-, cadmium-, silicone- and lead-free</td></td<> | Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Color/numbering of wires br, wh, rd, bl, pk, gr, ye, gn Stranding combination 8 wires twisted around central filler Shield yes min. 80% Material (jacket) Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Q (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (moving) 10× outer Ø Noet bending cycles (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 5 m/s ² Torsion stress +30°/m No. of torsion cycles max. 2 Mio. (25 °C) Travel speed (C-track) | Shore hardness (wire isolation) | 70 ±5 D |
| Stranding combination 8 wires twisted around central filler Shield yes min. 80% Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Q/ (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance fiame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (inxed) 5 x outer Ø No. of bending cycles (C-track) max. 5 m(iorizontal) Traversing distance (C-track) max. 5 m(s² C) Traversing distance (C-track) max. 5 m/s² No. of torsion cycles max. 2 m/s² No. of torsion cycles max. 2 m/s² | Wire-Ø incl. isolation | 1.2 mm ±5% |
| Stranding combination 8 wires twisted around central filler Shield yes min. 80% Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Q/ (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance fiame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (inxed) 5 x outer Ø No. of bending cycles (C-track) max. 5 m(iorizontal) Traversing distance (C-track) max. 5 m(s² C) Traversing distance (C-track) max. 5 m/s² No. of torsion cycles max. 2 m/s² No. of torsion cycles max. 2 m/s² | Color/numbering of wires | br, wh, rd, bl, pk, gr, ye, gn |
| Shield yes min. 80% Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance filame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Tenperature range (fixed) -40480 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Traversing distance (C-track) max. 5 m/s ² Torsion strees ±30°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion strees ±30°/m No. of torsion cycles max. 5 m/s ² Torsion strees ±30°/m | | |
| min. 80%. Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) gay chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VWI / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 m(orizontal) Traver sing distance (C-track) max. 5 m/s ² Torsion stress ±30 °/m No. of borsion cycles max. 2 m/s ² Torsion stress ±30 °/m No. of torsion cycles | ·ī | |
| Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VWI / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+60 °C, (+90 °C at max. 10 000 operating hours) Temperature range (fixed) 5× outer Ø Bend radius (fixed) 5× outer Ø Bend radius (moving) 10 × outer Ø No. of bending cycles (C-track) max. 5 m (orizontal) Traver speed (C-track) max. 5 m/s ⁶ Torsion stress ±30 °/m No. of torsion cycles max. 2 Mio. (25 °C) Travel speed 35 cycles/min Jacket Color gray | | - |
| Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 7.0 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2000 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 5 m/s ² Torsion stress ±30 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray | Material (iacket) | |
| Shore hardness (jacket)90 ±5 AOuter-Ø (jacket)7.0 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2Nominal voltage300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1. IEC 60332-2-2Nominal voltage300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C. (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C. (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 mi (brizontal)Traversing distance (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | Shore hardness (jacket) | |
| chemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 m (horizontal)Traversing distance (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | Outer-Ø (jacket) | 7.0 mm ±5% |
| thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | Color (jacket) | gray |
| Nominal voltage300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 5 m/seAcceleration (C-track)max. 5 m/seTorsion stress±30°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | chemical resistance | good resistance to oil, gasoline and chemicals (EN 60811-404) |
| Test voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | thermal resistance | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 |
| Test voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Current load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | to DIN VDE 0298-4 |
| Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Bend radius (fixed) $5 \times outer Ø$ Bend radius (moving) $10 \times outer Ø$ No. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress $\pm 30 °/m$ No. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Bend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| No. of bending cycles (C-track)max. 5 Mio. (25 °C)Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Traversing distance (C-track)max. 5 m (horizontal)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±30 °/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minJacket Colorgray | | |
| Acceleration (C-track) max. 5 m/s ² Torsion stress ±30 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray | | |
| Torsion stress ±30 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray | | |
| No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray | | |
| Torsion speed 35 cycles/min Jacket Color gray | | |
| Jacket Color gray | | |
| | · · · · | |
| Technical Data | | yiay |
| | Technical Data | |

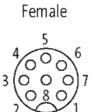
The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 11/20



| Operating voltage | max. 30 V AC/DC |
|-------------------------------|--|
| Rated surge voltage | 0.8 kV |
| Operating current per contact | max. 2 A |
| Locking of ports | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland | M12 (SW13) |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Commercial data | |
| country of origin | CZ |
| customs tariff number | 85444290 |
| EAN | 4048879320023 |
| eClass | 27279218 |
| Packaging unit | 1 |
| Sketch | |







Product may differ from Image