

stay connected

### M12 FEMALE 0° SHIELDED

PUR 5X0.34 shielded gy UL/CSA, drag ch 15m

Female straight M12, 5-pole shielded with cable sleeves

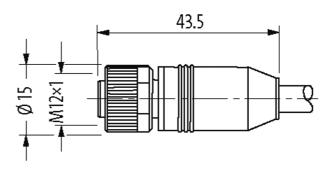
Plastic housings with good resistance against chemicals and oils.

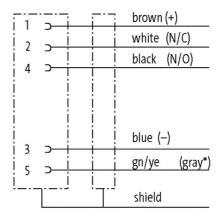
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Illustration



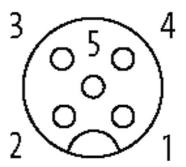






(\* for cable type 203, 603, 243, 643)

# **Female**



Product may differ from Image

#### **Approvals**



\* only for products with UL/CSA approved cable

cCSAus

**EAC** 

Form

13221 Form

Cables

No./diameter of wires 5× 0.34 mm<sup>2</sup>



C-track properties         5 Mio.           Material (jacket)         PUR (UL/CSA)           Outer Ø         5.6 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -40+80 °C           Temperature range (mobile)         -25+80 °C           Cable identification         243           Cable Type         3 (PUR)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         57,20           Material (wire)         Cu wire, bare           Resistor (core)         max.57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes		stay connected
Material (jacket)	Wire isolation	PP (br, wh, bl, bk, gr)
Cuter O   S.6 mm : 15%	C-track properties	5 Mio.
Bend radius (moving)	Material (jacket)	PUR (UL/CSA)
Temperature range (Incel)	Outer Ø	5.6 mm ±5%
Temperature range (mobile)	Bend radius (moving)	10× outer Ø
Cable Identification   243	Temperature range (fixed)	-40+80 °C
Cable Type         3 (PUR)           Approval (cable)         cURIUS (AWM-Style 20549/10493); CE conform           Cable weight (gim)         57.20           Material (wire)         Cu wire, bare           Resistor (core)         max. 57 Ωkm (20°C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire loadston)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire Ø (incl. isolation)         1.25 mm ±5%           Colorimarbering of wires         br, tk, bl, wh, gr           Shanding combination         5 wires twisted around central filler           Sheld         yes           min. 80%         min. 80%           Material (jacket)         PUR           Material (jacket)         PUR           Shore hardness (jacket)         25 A           Outer Ø (jacket)         5.6 mm ±5%           Cuter Ø (jacket)         5.6 mm ±5%           Cuter Ø (jacket)         5.6 mm ±5%           Cuter Ø (jacket) <td>Temperature range (mobile)</td> <td>-25+80 °C</td>	Temperature range (mobile)	-25+80 °C
Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight [gim]         57.20           Material (vire)         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         70 ±5 D           Wire-Ø-incl. isolation         1,25 mm ±5%           Color/muthering of wires         br, tk, k), wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           min. 80%           Material (jacker)         PUR           Material property (jacker)         CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, hydroysis and microbial resistant           Shore hardness (jacker)         PUR           Material (jacker)         PUR           Color (jacket)         5.6 mm ±5%           Color (jacket)         5.7 mm ±5%           Color (jacket)         5.7 mm ±5%           Color (jacket)         5.8	Cable identification	243
Cable weight [gim]	Cable Type	3 (PUR)
Material (wire)         Cu wire, bare           Resistor (core)         max. 57 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 ≥ 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 + 0.34 mm²           AWG         similar to AWG 22           Material (vire isolation)         PP           Material property (wire isolation)         CFC + halogen , cadmium , silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire-Olinci, Isolation         1.25 mm ±5%           Colorinumbering of wires         br, bit, bit, wh, gr           Stranding combination         5 wires swisted around central filler           Shield         yes           Material property (jacket)         PUR           Material property (jacket)         CFC -, halogen , cadmium , silicone- and lead-free , mat. low-adhesion, machine easy to process, abrasion resistant. hydrolysis and microbial resistant           Shore hardness (jacket)         PUR           Material property (jacket)         CFC -, halogen , cadmium , silicone- and lead-free , mat. low-adhesion, machine easy to process, abrasion resistant by drolysis and microbial resistant           Shore hardness (jacket)         95 & A           Cuter-Ø (jacket)         15 & m ±5%           Color-G (jacket)	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Resistor (core)         max. 57 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         CFC, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire-Ø Ind. Isolation         1.25 mm ±5%           Colorinumbering of wires         br, bk, bl, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           Material property (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-achesion, machine easy to process, abrasion resistant, priorbysis and microbial resistant           Shore hardness (jacket)         PUR           Material property (jacket)         5.6 mm ±5%           Cuter-Ø (jacket)         5.8 mm ±5%           Cuter-Ø (jacket)         3.9 ± A           Cuter-Ø (jacket)         3.9 ± A           Cuter-Ø (jacket)         3.9 ± A           Color (jacket)         3.9 ± A           Cuter-Ø (jacket)         3.8 mm	Cable weight [g/m]	57,20
Single wire Ø (core)	Material (wire)	Cu wire, bare
Construction (core)	Resistor (core)	max. 57 <b>Ω</b> /km (20 °C)
Diameter (core)   Sx 0.34 mm²	Single wire Ø (core)	0.1 mm
AWG similar to AWG 22  Material property (wire isolation) PP  Material property (wire isolation) 70 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires Dr. Nb. Nb. Wh. ng  Stranding combination 5 wires twisted around central filler  Shield yes  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, hydrolysis and microbial resistant  Shore hardness (jacket) 90 ±5 A  Outer-Ø (jacket) 5.6 mm ±5%  Color (jacket) 5.6 mm ±5%  Color (jacket) gray  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance flame retardam UL 1581 VW1 / CSA FT1 / IEC 60332-2, IEC 60332-2-2  Nominal voltage 300 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) 4-4080 °C. (+90 °C at max. 10 000 operating hours)  Bend radius (fixed) 5 s. outer Ø  Bend radius (moving) 10 s. outer Ø  Bend radiu	Construction (core)	42× 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-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant property (jacket)           Shore hardness (jacket)         90 ±5 A           Outer-Ø (jacket)         5.6 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 FTI / 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)         -40,480 °C, (+90 °C at max. 10 000 operating hours)           Temperature range (fixed)         5× outer Ø           Bend radius (fixed)         5× outer Ø	Diameter (core)	5× 0.34 mm²
Material property (wire isolation)         CFC, halogen., cadmium., silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire-2 incl. isolation         1.25 mm ±5%           Color/numbering of wires         br. bk, bl, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           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)         5.6 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           Test voltage         2000 V AC           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)	AWG	similar to AWG 22
Shore hardness (wire isolation)         70 ±5 D           Wire-Ø-incl. isolation         1.25 mm ±5%           Color/numbering of wires         br. bk, bk, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasior resistant, hydrolysis and microbial resistant           Shore hardness (jacket)         90 ±5 A           Cuter-Ø (jacket)         5.6 mm ±5%           Color (jacket)         gray           Color (jacket)         gray           Color (jacket)         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 2084-4           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)         5s outer Ø           Bend radius (moving)         10x outer Ø	Material (wire isolation)	PP
Shore hardness (wire isolation)         70 ±5 D           Wire-Øincl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bk, wh, gr           Stranding combination         5 wires twisted around central filler           Shield         yes           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, tyrorilysis and microbial resistant           Shore hardness (jacket)         90 ±5 A           Cuter-O (jacket)         5.6 mm ±5%           Color (jacket)         gray           Cernical 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 208-4           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)         5s outer Ø           Bend radius (fixed)         max. 5 m/s²           Bend radius (fixed)         max. 5 m/s²           Bend radius (fixed)         max. 5 m/s²           Torsion stress <th< td=""><td>Material property (wire isolation)</td><td>CFC-, halogen-, cadmium-, silicone- and lead-free</td></th<>	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires br, bk, bl, wh, gr  Stranding combination 5 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  Culter-Ø (jacket) 5.6 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  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  No. of bending cycles (C-track) max. 5 m/s²  No. of torsion cycles  max. 5 m/s²  Torsion stress  130 °M  No. of forsion cycles  max. 2 Mio. (25 °C)  Torsion stress  130 °M  No. of forsion cycles  max. 2 Mio. (25 °C)  Torsion stress  130 °M  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  Technical Data	Shore hardness (wire isolation)	70 ±5 D
Stranding combination  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)  Color (jacket)  S.6 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)  2-5+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 Mio. (25 °C)  Traver sing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data	Wire-Ø incl. isolation	1.25 mm ±5%
Stranding combination  S 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-O (jacket)  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  Bend radius (fixed)  5 × outer Ø  Bend radius (moving)  10 × outer Ø  No. of bending cycles (C-track)  max. 5 Mio. (25 °C)  Traver sing distance (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data	Color/numbering of wires	br, bk, bl, wh, gr
Material (jacket)   PUR		-
min. 80%  Material (jacket) PUR  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) 5.6 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  Current load capacity Test voltage 2000 V AC  Current load capacity Temperature range (fixed) 4-0#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) 10x outer Ø  No. of bending cycles (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 5 m/s²  Torsion stress ±30 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray  Technical Data		
Material (jacket)       PUR         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)       5.6 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 m(s. 25 °C)         Traversing distance (C-track)       max. 5 m (horizontal)         Travel speed (C-track)       max. 5 m (horizontal)         Travel speed (C-track)       max. 5 m/s²         Torsion stress       ±30 °/m         No. of torsion cycles       max. 2 Mio. (25 °C)         Torsion 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)  Outer-Ø (jacket)  5.6 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  Bend radius (fixed)  5 × outer Ø  Bend radius (moving)  10 × outer Ø  No. of bending cycles (C-track)  max. 5 m (horizontal)  Traver sing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data	Material (iacket)	
Shore hardness (jacket) 90 ± 5 A  Outer-Ø (jacket) 5.6 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) 4-40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 2-25+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 Mio. (25 °C)  Traversing distance (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min Jacket Color gray  Technical Data		CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-
Outer-Ø (jacket)  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)  5x outer Ø  Bend radius (fixed)  5x outer Ø  Bend radius (moving)  10x outer Ø  No. of bending cycles (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data	Shore hardness (iacket)	
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) 5× outer Ø  Bend radius (fixed) 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. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
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)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
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   Bend radius (moving)   10× 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. 5 m/s²   Torsion stress   ±30 °/m   No. of torsion cycles   max. 2 Mio. (25 °C)   Torsion speed   35 cycles/min   Jacket Color   gray		
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 Mio. (25 °C)           Traversing distance (C-track)         max. 5 m (horizontal)           Travel speed (C-track)         max. 3.3 m/s           Acceleration (C-track)         max. 5 m/s²           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color         gray           Technical Data		
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 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 5 m/s²  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray		
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 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	-	
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 Mio. (25 °C)  Traversing distance (C-track)  max. 3.3 m/s  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray		
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 Mio. (25 °C)  Traversing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 3.3 m/s  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray		
Bend radius (fixed) 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 (horizontal)  Travel speed (C-track) max. 3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30°/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray		
Bend radius (moving) 10× 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. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30°/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
No. of bending cycles (C-track)  Traversing distance (C-track)  max. 5 Mio. (25 °C)  Traversing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 3 m/s  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data		
Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30°/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
Travel speed (C-track)  Acceleration (C-track)  Torsion stress  ±30°/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data		
Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30°/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray  Technical Data		
Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray  Technical Data	· · · · · ·	
Torsion speed 35 cycles/min  Jacket Color gray  Technical Data		
Jacket Color gray  Technical Data	<u> </u>	
Technical Data	· · · · · · · · · · · · · · · · · · ·	35 cycles/min
	Jacket Color	gray
Operating voltage max. 60 V AC/DC	Technical Data	
	Operating voltage	max. 60 V AC/DC
Operating voltage (only UL listed) max. 30 V AC/DC	Operating voltage (only LII_listed)	max. 30 V AC/DC



## stay connected

Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
Coding	A-coded
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)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal $\emptyset$ )	without
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Stripping length (jacket)	20 mm
Temperature range	-25+85 °C, depending on cable quality
Commercial data	
country of origin	CZ
customs tariff number	85444290
EAN	4048879479516
eClass	27279218
Packaging unit	1