

stay connected

M12 female 0° with cable

PUR 4x0.34 gy UL/CSA+drag chain 50m

Female straight

M12, 4-pole

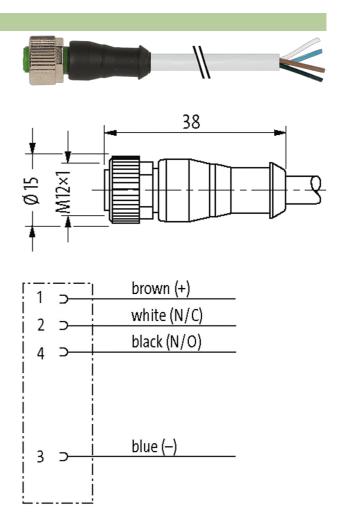
with cable sleeves

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



Product may differ from Image

Approvals



* only for products with UL/CSA approved cable

cCSAus

Form

Form 12221

General data

Standards DIN EN 61076-2-101 (M12)

Pollution Degree



stay connected

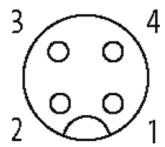
Cabbes 4 ± 0.34 mm² No. dismater of viries 4 ± 0.34 mm² Were isolation PP (pr. wh. bl. bl.) C-back properties 10 Milo. Masterial (picked) PUR (ULUSS) Cuter Ø 4 5 mm ± 9% Bend radius (moving) 10 + outer Ø Temporature range (food) 40 - 80 ° C Cable (vigen) 23 ± 00 ° C Cable (vigen) 3 (PUR) Approval (pable) CURILIA (AWM-Style 20549/10493); CE contorm Cable (vigen) 3 (PUR) Approval (pable) CURILIA (AWM-Style 20549/10493); CE contorm Cable (vigen) 3 (PUR) Approval (pable) CURILIA (AWM-Style 20549/10493); CE contorm Cable (vigen) 3 (PUR) Approval (pable) CURILIA (AWM-Style 20549/10493); CE contorm Cable (vigen) 3 (PUR) Resistor (core) 0 - 0. Passes (core) mass 67 (Mm ; 20 ° ° C) Single wire (core) 4 ± 0.54 m/20 ° ° C) Dameter (core) 4 ± 0.54 m/20 ° C Malerial (vive) (collation) PR Malerial (vive) (Temperature range	-25+85 °C, depending on cable quality
No. diameter of vivines 4 × 0.34 mm² Wire isolotion PP (Ev. wh. bl. bk) Crostey properties 10 Mex. Material (geoted) PUR (ULCSA) Outer Ø 4.5 mm ±5% Bend radius (moving) 10 voietr Ø Tomporativa range (fixed) 40 v-80 °C Tomporativa range (fixed) 40 v-80 °C Cable Type 3 (PUR) Approval (pable) 25 v-80 °C Cable Type 3 (PUR) Approval (pable) 24 URUs (AMM-Syle 20549/10493); CE conform Cable wight (gim) 38.30 Masterial (wino) Cu wino, bare Resistor (cone) mas 57 Dkm (20 °C) Single wine Occee) 0.1 mm Construction (core) 42 v. 0.1 mm (mull-strand wine date 8) Darreleter (core) 4 v. 0.34 mm² AWG amiliar to AWG 22 Material groperty (wire isolation) CPC-, halogen-, cadmium-, allicone- and lead-free Shield no Material groperty (wire isolation) PVR Material groperty (seleck) pt (kg, kj, wh Shield		
With boldsion PP (try, wh, b), bk) C Hand, Expertises 10 Millo. Martieral (jackele) 45 mm ±5%. Bend radius (moving) 10 - outer 0 Temperature range (mobil) 40 - a00 °C Temperature range (mobile) ±5 - a0 °C Cable Identification 234 Cable Information 3 (PUR) Approval (acible) ±Usus (AVMA-Style 20549/10493); CE conform Cable weight (jor) 38.30 Approval (acible) ±Usus (AVMA-Style 20549/10493); CE conform Material (acible) ±Usus (AVMA-Style 20549/10493); CE conform Material (acible) ±Usus (AVMA-Style 20549/10493); CE conform Resistor (core) ±ax 57 (km (20 °C) Material (witer) ±ax 57 (km (20 °C) Singly wine (core) ±0.1 mm (mull-strand vier class 6) Demetter (core) ±ax 3 mm² AVIG similar to AVIG 22 Material (view to solution) PP Wiles d'inscissation 70 ±5 D Wiles d'inscissation 70 ±5 D Wiles d'inscissation (acit in contrait in contrait (acit in contrait in contrait (acit in contrait in contrait in contra		4 v 0.34 mm²
C-back properties 10 Mio. Matiental (placket) PLR (ULCSA) Outer O 4.5 mm ±5% Band radius (moving) 10 ± outer O Temperature range (fixed) 4.0 ± 80 °C Temperature range (moble) -25 ± 80 °C Cabile identification 234 Cabile identification 234 Cabile identification 249 Approval (cabile) CURUS (AWM Style 2054910493); CE conform Cabile identification 25 ± 60 °C Approval (cabile) CURUS (AWM Style 2054910493); CE conform Cabile identification 25 ± 60 °C Approval (cabile) CURUS (AWM Style 2054910493); CE conform Cabile identification 25 ± 60 °C Material (price) Curus (ave. bare Bealsation (core) 42 ± 0.1 mm (multi-strand wire class 6) Dammer (core) 42 ± 0.1 mm (multi-strand wire class 6) Dammer (core) 42 ± 0.1 mm (multi-strand wire class 6) Dammer (core) 42 ± 0.1 mm (multi-strand wire class 6) Dammer (core) 42 ± 0.1 mm (multi-strand wire class 6) Dammer (core) 42 ± 0.1 mm (multi-strand wir		
Material (jacket)	•	V T T T
Outer O 4.5 mm ±5% Bend radius (mowing) 10 x outer O Temperature range (fixed) 40 x 80 °C Cable indestilication 234 Cable in Yipe 3 (PUR) Approval (cable) CURIUS (AMM-Style 20549/10493); CE conform Cable weight (fym) 36,50 Material (wire) Cu wire, baro Peasistor (crove) max 57 (Dkm/20°C) Single wire O (crore) 42 x 0.1 mm (multi-strand wire class 6) Diameter (crore) 42 x 0.1 mm (multi-strand wire class 6) Diameter (crore) 42 x 0.1 mm (multi-strand wire class 6) Material (wire isolation) PP Material property (wire isolation) PP Material property (wire isolation) PP (Cr.) halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 7.0 ± 5 Wire-O Incl. isolation 1.25 mm ±5% Colorizumbering of wires bit, bit, bit, bit Shield no Material (property (jacket) 4 x 5 mm ±5% Colorizumbering of wires bit, bit, bit, bit, bit, bit, bit, bit,		
Bend radius (moving)	· · · · · · · · · · · · · · · · · · ·	
Temperature range (fixed)		
Temperature range (mobile) -25480 °C Cabble identification 234 Cabble (entification) 294 Cabble Type 3 (PUR) Approval (cable) cURus (AWM-Syle 20549/10493); CE conform Cabble weight [gim] 36.30 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) 44 × 0.4 mm? AWO similar to AWO 22 Material (wire isolation) PP Material property (wire isolation) 70 ± 50 Wire-Ø incl. isolation 1.25 mm ±5% Colorium bering of wires br. bb. bl. wh Stranding combination 4 wires twisted Material property (jacket) CPC-, halogen-, cadmium-, silicone- and lead-free, mat, low-adhesion, machine easy to process, abrasion-resistanct, hydrolysis and microbial resistanct Material property (jacket) PPR Material property (jacket) CPC-, halogen-, cadmium-, silicone- and lead-free, mat, low-adhesion, machine easy to process, abrasion-resistanct, hydrolysis and microbial resistance		1 1111 1
Cable identification 234 Cable Type 3 (PUR) Approval (able) cURus (AWM Style 2054910433); CE conform Cable weight (pm) 36,30 Material (wire) Cu wire, bare Resistor (core) max. 57 0km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 8) Diamoter (core) 42 × 0.1 mm (multi-strand wire class 8) Diamoter (core) 42 × 0.1 mm (multi-strand wire class 8) Material (wire isolation) PP Material (wire isolation) PP Material property (wire feelation) CPC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 1.25 mm ±5% Color-mumbering of wires br. i.k. bt. wh Shreid no Material property (jacket) PUR Material property (jacket) CPC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant hydrolysis and microbial resistant Color-Williacket) purs Color-Williacket) 4 mm ±5% Color-Biacket) 90.5 A C		
Cable Type 3 (PUR) Approval (cable) cDRus (AWM-Style 20549/10493); CE conform Cable weight (gim) 38,30 Material (wire) Cuwire, bare Basistor (core) max. 57 (AWR (20°C) Single wire Of (core) 0.1 mm Construction (core) 42-0.1 mm (multi-strand wire class 6) Dameter (core) 42-0.34 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-Gindi-isolation 1.25 mm ±5% Coloriumbering of wires br, bk, bl, wh Stranding combination 4 wires wisted Material property (jacket) PUR Material property (jacket) 90.5 A <t< td=""><td></td><td></td></t<>		
Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight (gim) 36,30 Material (wire) Cu wire, barre Resistor (core) max. 57 Okm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 4 x 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Abrerial (wire isolation) PP Abrerial (wire isolation) 70 ±5 D Wire-Ø (not. isolation) 1.25 mm ±5% Coloriumbering of wires br, bk, bt, wh Stranding combination 4 wires bristed Shore hardness (wire isolation) 70 ±5 D Wire-Ø (incl. isolation) 1.25 mm ±5% Coloriumbering of wires br, bk, bt, wh Stranding combination 4 wires bristed Material (poche) PUR Material (poche) CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydroysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) gray <	-	
Cable weight [gim] 36,30 Material (wire) Cu wire, bare Resistor (core) ms. 57 Akm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42 · 0.1 mm (multi-strand wire class 6) Diameter (core) 4 × 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) 1.25 mm ±5% Color/mumbering of wires br. bk, bl, wh Shrading combination 4 wires twisted Shrading combination 4 wires twisted Material (property (jacket) PUR Material property (jacket) CFC. halogen., cadmium., silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant (jacket) Material property (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) 9.0 ±5 A Color (jacket) 45.5 mm ±5% Color (jacket) 45.5 mm ±5%		
Material (wine) Cu wire, bare Resistor (core) max. 57 r (k/m (20 °C)) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 4 × 0.34 mm² AWG smilar to AWG 22 Material property (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/mumbering of wires br, bk, bl, wh Shraid no Material property (jacket) PUR Material property (jacket) CFC , halogen , cadmium , silicone - and lead-free , mart, low adhesion, machine easy to process, abrasion resistant, hydrolysis and microbial resistant Shore hardness (jacket) PUR Material property (jacket) 45 mm ±5% Cotor (jacket) 45 mm ±5% Outer-Ø (jacket) 45 mm ±5% Cotor (jacket) 90 ±5 A Outer-Ø (jacket) 90 ±5 A Outer-Ø (jacket) 90 ±5 A Outer-Ø (jacket) 90 ±5 A <		
Resistor (core) max. 57 Q/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-stand wire class 6) Diameter (core) 4 × 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material (wire isolation) 70 ± 5 D Wire-Ø Ind. I solation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shore In advised (jacket) PUR Material (jacket) PUR Material (jacket) PUR Material (jacket) 90 ± 5 A Outer-Ø (jacket) 4.5 mm ±5% Color/ (jacket) 4.5 mm ±5% Outer-Ø (jacket) 90 ± 5 A Outer-Ø (jacket)		
Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 4× 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) 1.25 mm ±5% Coloriumbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no Material (packet) 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) 4.5 mm ±5% Color (jacket) 90 ±5 A Outer Ø (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 Current load capacity to DIN VDE 0298-4 Temperature range (ithed) -4040 **C, (+30	· · · · · · · · · · · · · · · · · · ·	
Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 4 x 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-Ø incl. isolation 1.25 mm ±5% Colorhimumbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, ptydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Culter-Ø (jacket) 45 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 Temperature range (fixed) 40480 °C, (+90 °C at max. 10 000 operating hours) Temperature range (fixed) 5× outer Ø Bend radius (fixed) 5× outer Ø	· · · · · · · · · · · · · · · · · · ·	
Diameter (core) 4 x 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 incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no 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) 4.5 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 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -4080 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile)		
AWG similar to AWG 22 Material property (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 Stranding combination 4 wires wisted Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistan, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 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 2500 V AC Current load capacity to DIN VDE 0284-4 Temperature range (fixed) 4086 °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)		
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. Dk., bl., wh Stranding combination 4 wires twisted Shield no 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) 4.5 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 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C. (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø Bend radius (fixed) 5× outer Ø No of		
Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-3 (incl. isolation) 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Sheidd no 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) 4.5 mm ±5% Color (jacket) gray chemical 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 (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 m/o² Trovion stress ±180 °/m		
Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no 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) 4.5 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 (fixed) 5 × outer Ø Bend radius (moving) 10 × outer Ø No. of bending cycles (C-track) max. 10 m/s² Torsion stress ±180 °M		
Wire-Øind. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no 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) 4.5 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 2500 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. 3 m/s Acceleration (C-track) max. 10 m/s² T		•
Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no 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) 99 ± 5 A Outer-Ø (jacket) 4.5 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 2500 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. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress 180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data		
Stranding combination 4 wires twisted no no 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) 4.5 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 (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	-	
Shield no Material (jacket) PUR Material (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 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 Nominal voltage 300 V AC Test voltage 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 2 Mio. (25 °C) Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/		
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) 99 ±5 A Outer-Ø (jacket) 4.5 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 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 4-0+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) 5- outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data		
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) 4.5 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 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	-	
Tesistant Property (Jacket) Presistant Property (Jacket) Presistant Property (Jacket) Presistant Property (Jacket) Presistant Property (Jacket) Presistance Pres	Material (jacket)	
Outer-Ø (jacket) 4.5 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 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray		resistant, hydrolysis and microbial resistant
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 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Shore hardness (jacket)	90 ±5 A
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 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Outer-Ø (jacket)	4.5 mm ±5%
thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Color (jacket)	gray
Nominal voltage 300 V AC Test voltage 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/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)
Test voltage 2500 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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Nominal voltage	300 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) 10× outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Test voltage	2500 V AC
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. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180°/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)
Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Bend radius (fixed)	5× outer Ø
Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Bend radius (moving)	10× outer Ø
Acceleration (C-track) max. 10 m/s² Torsion stress ±180°/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)	max. 10 Mio. (25 °C)
Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Travel speed (C-track)	max. 3 m/s
No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray Technical Data	Acceleration (C-track)	max. 10 m/s ²
Torsion speed 35 cycles/min Jacket Color gray Technical Data	Torsion stress	±180°/m
Jacket Color gray Technical Data	No. of torsion cycles	max. 2 Mio. (25 °C)
Technical Data	Torsion speed	35 cycles/min
	Jacket Color	gray
Operating voltage max. 250 V AC/DC	Technical Data	
	Operating voltage	max. 250 V AC/DC



stay connected

Operating voltage (only UL listed)	max. 30 V AC/DC
Rated surge voltage	2.5 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)	10 mm
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879447454
eClass	27279218
Packaging unit	1
Sketch	

Female



Product may differ from Image