

MQ12 female 0° A-cod. with cable

PUR 3x0.34 gy UL/CSA+drag ch. 15m

Female 90° MQ12, 3-pole with cable sleeves

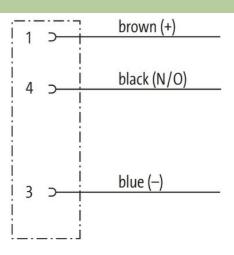
Further cable lengths on request.

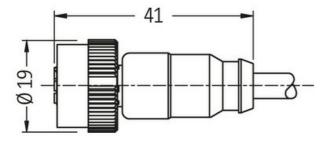
Plastic housings with good resistance against chemicals and oils.

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

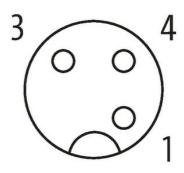
Link to Product

Illustration









Product may differ from Image





* only for products with UL/CSA approved cable

Form		
Form	12181	
Technical Data		
Operating voltage	max. 250 V AC/DC	
Operating current per contact	may 4 A	

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: 03/22



Protection IPP7 inserted and lightened (EN 60529)	Locking of ports	Quick connection, 1/4 turn	
Cable Identification 233	Protection	IP67 inserted and tightened (EN 60529)	
Cable identification 233 Cable Type 3 (PUR) Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight (g/m) 29.7 g Material (wire) Cu wire, barre Flessistor (core) max. 57 (Jkm (20 °C) Single wire Ø (core) 0.1 mm Onstruction (core) 42 * 0.1 mm (multi-strand wire class 6) Diameter (core) 3 * 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-20 Incl. Isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 wires twisted Shore hardness (were isolation) PUR Material (jacket) PUR Material property (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) GFC , halogen , cadmium , silicone and lead-free , matt, low-adhesion, machine easy to process,	General data		
Cable identification 233 Cable Type 3 (PUR) Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 29.7 g Material (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire 0 (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 3× 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material (wire isolation) PP Micro-Dirich incl. isolation 1,25 mm ±5% Color/numbering of wires br.; bk, bl Stranding combination 3 wires twisted Shield 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, bydrolysis and microbial resistant Shore hardness (jacket) 0 Cher-A (jacket) 4.1 mm ±5% Color (jacket) 4.1 mm ±5% Color (jacket) gray </td <td>Temperature range</td> <td colspan="2">-25+85 °C, depending on cable quality</td>	Temperature range	-25+85 °C, depending on cable quality	
Cable Type 3 (PUR) Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 29,7 g Material (wire) Cu wire, bare Resistor (core) max. 57 (Zkm (20°C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 3 × 0.34 mm² AWG similar to AWG 22 Material property (wire isolation) PP Material property (wire isolation) PF Mire-& incl. Isolation 1.25 mm ±5% Colorinumbering of wires br., bk, bl Stranding combination 3 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, bydrolysis and microbial resistant Shore hardness (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, bydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.1 mm ±5%	Cables		
Cable Type 3 (PUR) Approval (cable) CURus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 29,7 g Material (wire) Cu wire, bare Resistor (core) max. 57 (Zkm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 3 × 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material (wire isolation) PP Material property (wire isolation) 70 ±5 D Wire-Ø incl. Isolation 1.25 mm ±5% Color/numbering of wires br., bk, bl Stranding combination 3 wires twisted Material property (jacket) CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, property (jacket) Material property (jacket) CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, property (jacket) Material property (jacket) CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, bydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A </td <td>Cable identification</td> <td>233</td>	Cable identification	233	
Approval (cable) cURus (AWM-Style 2054910493); CE conform Cable weight [g/m] 29,7 g 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) 3x 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material (wire isolation) CPC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. Isolation 1.25 mm ±5% Colorinumbering of wires br, bk, bl Stranding combination 3 wires twisted Shield no Material property (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) 4.1 mm ±5% Color (jacket) 9 ± 5 A Outer-Ø (jacket) 4.1 mm ±5% Color (jacket) 9 ± 5 A Nominal voltage 300 ∨ AC Tes			
Cable weight [g/m] 29.7 g 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) 3x 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 Stranding combination 3 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) Outer-Ø (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) 41. mm ±5% Color (jacket) <td></td> <td colspan="2">· ,</td>		· ,	
Material (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 420.1 mm (multi-strand wire class 6) Diameter (core) 3 × 0.34 mm² 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% Colorinumbering of wires br, bk, bl Stranding combination 3 wires twisted Shied 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) 4.1 mm ±5% Color (jacket) 4.1 mm ±5% Color (jacket) 90 ±5 A Outer-Ø (jacket) 4.1 mm ±5% Color (jacket) good resistance to oil, gasoline and chemicals (EN 60811-404) therman t			
Resistor (core)		-	
Single wire Ø (core) 0.1 mm Construction (core) 42x 0.1 mm (multi-strand wire class 6) Diameter (core) 3x 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 Stranding combination 3 wires twisted 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) 4.1 mm ±5% Color (jacket) 4.1 mm ±5% Color (jacket) gray Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fix			
Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 3 × 0.34 mm² 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 br, bk, bl Stranding combination 3 wires twisted Shiel 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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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) <			
Diameter (core) 3x 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-O incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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 (mobil		42× 0.1 mm (multi-strand wire class 6)	
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-O Incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 wires twisted Shield no Material property (jacket) PUR Material property (jacket) PUR Material property (jacket) 90 ±5 A Outer-O (jacket) 90 ±5 A Outer-O (jacket) gray Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance llame retardand UL 1581 Section 1090 (H), CSA FT2 / 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) Bend radius (fixed) 5x outer O Bend radius (moving) 10x outer O No. of bending cycles (C-track) max. 3 m/s Acceleration (C-track) max. 2 Mio. (25 °C) Torsion speed 35 cycles/min	Diameter (core)	3× 0.34 mm²	
Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-O Incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 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) Color (jacket) Grid (jacket) Gri		similar to AWG 22	
Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-O incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 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-O (jacket) Color (jacket) Grigade (jacket) Grigad		PP	
Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 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 Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.1 mm ±5% Color (jacket) gray Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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 (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 m/s² Travel speed (C-track) max. 10 m/s² Torsion stress ±180°/m No	· · · · · · · · · · · · · · · · · · ·	CFC-, halogen-, cadmium-, silicone- and lead-free	
Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl Stranding combination 3 wires twisted Shield no Material (jacket) PUB 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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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 Bend radius (moving) 10× outer Ø Mo. of bending cycles (C-track) max. 10 m/s² Trors			
Color/numbering of wires br, bk, bl Stranding combination 3 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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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. 2 Mio. (25 °C)			
Stranding combination 3 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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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. 3 m/s Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min			
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) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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 Bend radius (moving) 10× outer Ø Brown of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 3 m/s Acceleration (cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min <td></td> <td colspan="2"></td>			
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) Outer-Ø (jacket) Color (jacket) Golor (jacket) Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 Nominal voltage 300 V AC Test voltage Current load capacity Temperature range (fixed) Temperature range (fixed) 4-0+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) 5-25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5-x outer Ø Bend radius (moving) 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	<u> </u>		
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) Color (jacket) God resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 Nominal voltage 300 V AC Test voltage 2500 V AC Current load capacity Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Femperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) Sx outer Ø Bend radius (moving) 10x 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			
Outer-Ø (jacket) 4.1 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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. 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	<u> </u>	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant	
Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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	Shore hardness (jacket)	90 ±5 A	
chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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	Outer-Ø (jacket)	4.1 mm ±5%	
thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / 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	Color (jacket)	gray	
Nominal voltage 7	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	thermal resistance		
Current load capacity 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	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	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) max. 10 m/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min	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	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	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)	
No. of bending cycles (C-track) Travel speed (C-track) Acceleration (C-track) Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min	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	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	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	Travel speed (C-track)	max. 3 m/s	
No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min	Acceleration (C-track)	max. 10 m/s ²	
Torsion speed 35 cycles/min	Torsion stress	±180°/m	
	No. of torsion cycles	max. 2 Mio. (25 °C)	
Commercial data	Torsion speed	35 cycles/min	
	Commercial data		
country of origin DE	country of origin	DE	
customs tariff number 85444290	customs tariff number	85444290	
EAN 4048879385114	EAN	4048879385114	
eClass 27279218	eClass	27279218	
Packaging unit 1.000	Packaging unit	1.000	