

M12 FEMALE 90° LED

PUR 4X0.34 black UL/CSA, ROBOT, drag ch 3m

Female 90°

M12, 4-pole

3× LED (PNP)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) 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.

Further cable lengths on request.

Zinc die casting, save-cover coated

Link to Product

Illustration



Product may differ from Image

Approvals



* only for products with UL/CSA approved cable

cCSAus

Form	
Form	12421
Technical Data	
Operating voltage	24 V DC ±25%
Operating voltage (only UL listed)	max. 30 V DC
Operating current per contact	max. 4 A
Rated surge voltage	0.8 kV
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)
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)
Material	PUR
suitable for corrugated tube (internal Ø)	10 mm
Locking material	Zinc die casting, save-cover coated
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25+85 °C, depending on cable quality
Cables	

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: 02/21



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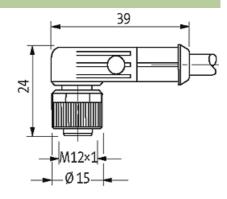
C-back properties 10 Min. Material (jackety PUR (UL-CSA), welding spark Outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 4-7 mm 25% Bend radius (moving) 10 - outer 0 5 (PUR schwoliblunkumbestlandig) 4-7 mm 25% Bend radius (moving) 10 - OUT (moving bare outer) 10 -	No./diameter of wires	4× 0.34 mm²
Material (gacket) PUR (ULCSA), welding spark Outer 0 4,7 mm 15% Been dradius (moving) 10x outer 0 Temperature range (fised) 40,-80 °C Temperature range (fised) 40,-80 °C Cabbe (mobile) 5 (PUR schwellfunkenbeständig) Approval (rabie) CUFUs (AWM-Syle 265491 0493) (El conform) Cabbe (weight (gim) 36.30 Material (wire) Cu wire, bare Rasisior (core) 0.1 mm Construction (core) 42.0.1 mm (multi-strand wire class 6) Dameeter (core) 42.0.1 mm (multi-strand wire class 6) Dameeter (core) 42.0.1 mm (multi-strand wire class 6) Authorial (wire isolation) PP Material (wire isolation) PP Material (wire isolation) PP Material (wire isolation) 74.5 D View 6 mil. Isolation 1.2 mm ±5% Colorinumbering of wires br. bk. bl. wh Strain and case (wire isolation) 7.0 mm ±5% Colorinumbering or wire isolation 1.2 mm ±5% Colorinumbering or wires br. bk. bl. wh Strain (weigha	Wire isolation	PP (br, wh, bl, bk)
Outer 0	C-track properties	10 Mio.
Bend radius (moving)	Material (jacket)	PUR (UL/CSA), welding spark
Temperature range (fixed)	Outer Ø	4.7 mm ±5%
Temperature range (mobile)	Bend radius (moving)	10× outer Ø
Cable Type 65 (PUR schweißfunkenbeständig) Approval (cable) cURIN (AMM-Style 20549/10483); CE conform Cable weight (g/m) 36,30 Mallerfalt (wire) Cu wire, bare Resistor (core) max. 60 QMm (20 °C) Single wire 0 (core) 0.1 mm Construction (core) 42 v. 0.1 mm (multi-strand wire class 6) Diameter (core) 4x 0.34 mm² AWG similar to AWG 22 Material giveria isolation) PP Material giveria isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 1.25 mm ±5% Color/numbering of wires br. j. bk, bl, wh Shield no Material glocketh PUR Outer-Ø (jacketh) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low- adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant Shried no Color (jacketh) 58 3.3 D <t< td=""><td>Temperature range (fixed)</td><td>-40+80 °C</td></t<>	Temperature range (fixed)	-40+80 °C
Cable Type 5 (PUR activeri8flunkenbeständig) Approval (cable) CURus (AWM-Syle 2054910433); CE conform Cable weight (gml) 35,30 Material (wire) Cu wire, bare Resistor (core) max. 60 0A/m (20 °C) Single wire of (core) 42 °C.1 mm (multi-strand wire class 6) Diameter (core) 42 °C.1 mm (multi-strand wire class 6) Diameter (core) 42 °C.1 mm (multi-strand wire class 6) Material (wire isolation) PP Material property (wire isolation) PP Material property (wire isolation) CPC-, halogen-, cadmium-, silicone- and lead-free Shore handness (wire isolation) 12 5 mm 15% Color/mumbering of wires br. bk. bl. wh Standing combination 4 wires twisted Shield no Material (jacket) PUR GFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant Shield no Material (jacket) PUR GFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant Color (jacket) PUR	Temperature range (mobile)	-25+80 °C
Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight (bym) 38.30 Material (wire) Cu wire, bare Resistor (core) max. 60 Okm (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) PP Shore hardness (wire isolation) 74 ± 3 D Wife-Ø Incl. isolation 1.25 mm ±5% Coloriorumbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no Material (socket) PUR Material (socket) PUR CPC-, halogen-, cadmirum-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Color (jacket) black Chemical resistance good	Cable identification	654
Cable weight (gim) 36,30 Material (wire) Cu wire, bare Resistor (core) max. 60 M/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 similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 74 ±3 D Wire Ø Incl. isolation 1.25 mm ±5% Colorhumbering of wires br., bk, bl, wh Standing 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, bydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Ø (jacket) 4,7 mm ±5% Color (jacket) 4,7 mm ±5% Color (jacket) 4,7 mm ±5% Chorn (jacket) black chomical resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant	Cable Type	5 (PUR schweißfunkenbeständig)
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Resistor (core) max. 60 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.34 mm² 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) 7 ± 3 D Wire Ø Incl. isolation 1.25 mm ±5% Colorinumbering of wires br, bk, bl, wh Strianding combination 4 wires twisted Shore hardness (jacket) puB Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant (jacket) Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant (jacket) Shore hardness (jacket) 58 ±3 D Color (jacket) 4.7 mm ±5% Color (jacket) 58 ±3 D Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance </td <td>Cable weight [g/m]</td> <td>36,30</td>	Cable weight [g/m]	36,30
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) 74 ± 3 D Wire Ø incl. isolation 1.25 mm ±5% Color/humbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shold no Material property (jacket) CFC - halogen - cadmium - silicone - and lead-free, matt, low-adhesion, machine easy to process, abrasion - resistances (jacket) Shore hardness (jacket) CFC - halogen - cadmium - silicone - and lead-free, matt, low-adhesion, machine easy to process, abrasion - resistances (jacket) Shore hardness (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Color (jacket) black Chemical resistance laame retardant UL, FTZ, JEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC <	Material (wire)	Cu wire, bare
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-, hatogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 74 ± 3 D Wire-Ø incl. isolation 1.25 mm ±5% Coloriumbering 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, psydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ± 3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 250 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (-490 °C at max. 10 000 ope	Resistor (core)	max. 60 Ω/km (20 °C)
Diameter (core) 4x 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) 74 ±3 D Wire-Q Incl. isolation 1.25 mm ±5% Color/numbering of wires br. bk. bl. wh Shaid no Material property (jacket) PUR CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Q (jacket) 4.7 mm ±5% Color (jacket) black dhemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40,40° °C, (+90° °C at max. 10 000 operating hours) Temperature range (mobile) -25,480° °C, (+90° °C at max. 10 000 operating hours)	Single wire Ø (core)	0.1 mm
AWG similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 74 ±3 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 property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, prodrofysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Ø (jacket) 58 ±3 D Outer-Ø (jacket) black Color (jacket) black chemical resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC Temperature range (fixed) 4080 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -2580 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5 x outer Ø Bend radius (fixed) 5 x outer Ø	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) 74 ± 3 D Wire-Øincl. isolation 1.25 mm ±5% Color/numbering 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, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ± 3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC Courrent 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) max. 5 m/s° Bend radius (fixed) max. 5 m/s° <td>Diameter (core)</td> <td>4× 0.34 mm²</td>	Diameter (core)	4× 0.34 mm²
Material property (wire isolation) CFC, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 74 ±3 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 Meterial property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 40480 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø Bend radius (fixed) 5× outer Ø <t< td=""><td>AWG</td><td>similar to AWG 22</td></t<>	AWG	similar to AWG 22
Shore hardness (wire isolation) 74 ± 3 D Wire-Ø incl. Isolation 1.25 mm ±5% Color/numbering of wires br. bk, bl, wh Stranding combination 4 wires twisted Sheid 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) 58 ± 3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) 4.7 mm ±5% Cotor (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Est 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) 5x outer Ø Bend radius (moving) 10x outer Ø No. of bending cycl	Material (wire isolation)	PP
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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-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) -2580 °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) Traversing distance (C-track) max. 5 m/s² Torsion stees ±360 °m	Shore hardness (wire isolation)	74 ±3 D
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Shield no Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. Pydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ± 3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) Traversing distance (C-track) max. 5 m (horizontal) Traver speed (C-track) max. 5 m (horizontal) Traversing distance (C-track) max. 5 m/s² Torsion speed	Color/numbering of wires	br, bk, bl, wh
Material (jacket) Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) S8 ±3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) 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. 10 Mio. (25 °C) Traversing distance (C-track) max. 5 m/s² Torsion stress ±360 °/m No. of torsion cycles 35 cycles/min Jacket Color	Stranding combination	4 wires twisted
CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ± 3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant Nominal voltage 300 V AC Test voltage 2500 V AC Current load capacity to DIN VDE 0298-4 Temperature range (inxed) -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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color	Shield	no
resistant, hydrolysis-, microbial- and welding spark resistant Shore hardness (jacket) 58 ±3 D Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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 No. of bending cycles (C-track) max. 10 Mio. (25 °C) Traver sing distance (C-track) max. 3 m/s Acceleration (C-track) max. 5 m/s² Torsion stress ±360°/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color	Material (jacket)	PUR
Outer-Ø (jacket) 4.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Material property (jacket)	
Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) Traversing distance (C-track) max. 3.3 m/s Acceleration (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 5 m/s² Torsion stress ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color	Shore hardness (jacket)	58 ±3 D
chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) Traversing distance (C-track) max. 3.3 m/s Acceleration (C-track) max. 5 m/s² Torsion stress ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Outer-Ø (jacket)	4.7 mm ±5%
thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant 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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Color (jacket)	black
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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	thermal resistance	flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant
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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color	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) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 3.3 m/s Acceleration (C-track) max. 5 m/sº Torsion stress ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color	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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	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) 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 ±360 °/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Bend radius (fixed)	5× outer Ø
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 ±360°/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Bend radius (moving)	10× outer Ø
Travel speed (C-track) Acceleration (C-track) max. 3.3 m/s Acceleration (C-track) max. 5 m/s² Torsion stress ±360°/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Acceleration (C-track) max. 5 m/s² Torsion stress ±360°/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Traversing distance (C-track)	max. 5 m (horizontal)
Torsion stress ±360°/m No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Travel speed (C-track)	max. 3.3 m/s
No. of torsion cycles max. 1 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color black	Acceleration (C-track)	max. 5 m/s ²
Torsion speed 35 cycles/min Jacket Color black	Torsion stress	±360°/m
Jacket Color black	No. of torsion cycles	max. 1 Mio. (25 °C)
	Torsion speed	35 cycles/min
Commercial data		black
	Jacket Color	black

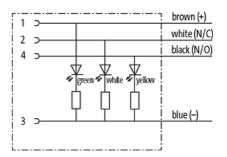


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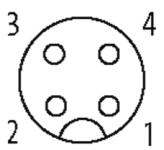
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Packaging unit	1

Sketch





Female



Product may differ from Image