

stay connected

M12 male 0° with cable

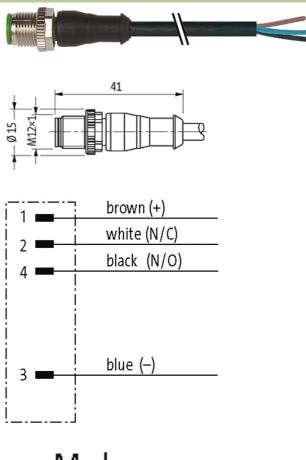
PUR 4x0.34 bk UL/CSA+drag chain 5m

Male straight M12, 4-pole with cable sleeves

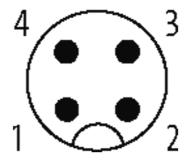
Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



stay connected

Approvals



* only for products with UL/CSA approved cable

cCSAus

CE

EAC

Material (jacket) PUR (ULCSA) Outer Ø 4.5 mm ±5% Bend radius (moving) 10 × outer Ø Temperature range (fixed) 40,+80 °C Temperature range (mobile) 25480 °C Cable identification 634 Cable Type 3 (PUR) Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable wight [gm] 36,30 Material (wire) Cu wire, bare Fesistor (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) 4x 0.34 mm² AWG similar to AWG 22 Material (wire Isolation) PP Material (wire Isolation) 70 °C, halogen, cadmium, silicone- and lead-free Shore hardness (wire isolation) 70 °C, halogen, cadmium, silicone- and lead-free Wire-Ø incl. isolation 1.25 mm ± 5% Coloriumbering of wires br. bk. bt. wh Stranding combination 4 wires twisted Shield no Material property (jacken) CFC, halogen, c		
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Wine isolation PP (br. wh. bl. bk) C track properties 10 Mio. Material (jacket) PUR (ULCSA) Outer Ø 4.5 mm ±5% Bend radius (moving) 10 x outer Ø Temperature range (kwed) 40+80 °C Temperature range (kwed) 40+80 °C Cable identification 634 Cable identification 644 Cable weight (jg/m) 36,30 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) 42 × 0.1 mm (multi-strand wire class 6) Material (wire isolation) PP Material (wire isolation) PP Material (wire isolation) PP Wire Ø (incl. isolation) 1.25 mm ±5% Colorhumbering of wires br. bk. bl. wh Shrading combination 1.25 mm ±5% Colorhumbering of wires br. bk. bl. wh Shore hardness (jacket) 9.0 ±5 A Outer-Ø (jacket)	Cables	
C-track properties 10 Milo. Material (decker) PUR (ULCSA) Outer Ø 4.5 mm ±5% Bend radius (moving) 10 - outer Ø Temperaturer range (fixed) 40 - 40 °C Temperature range (mobile) 25 - 480 °C Cable identification 834 Cable Type 3 (PUR) Approval (cable) cRUus (AWM Syte 20849/10493); CE conform Cable weight (ghr) 36,30 Material (wive) Cu wire, bare Fesistor (core) max. 57 (Xhm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.1 mm (multi-strand wire class 6) Material (wire isolation) PP Material (wire isolation) PP Material (wire isolation) PP Material (wire isolation) 70 ± 50 Wire Ø Incl. isolation 1,25 mm ±5% Color/umbering of wires br. bk, bl. wh Stranding combination 4 wires wisted	No./diameter of wires	4× 0.34 mm²
Material (jacket) PUR (ULCSA) Outer Ø 4.5 mm ±5% Bend radius (moving) 10 × outer Ø Temperature range (fixed) 40,+80 °C Temperature range (mobile) 25480 °C Cable identification 634 Cable Type 3 (PUR) Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable wight [gm] 36,30 Material (wire) Cu wire, bare Fesistor (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) 4x 0.34 mm² AWG similar to AWG 22 Material (wire Isolation) PP Material (wire Isolation) 70 °C, halogen, cadmium, silicone- and lead-free Shore hardness (wire isolation) 70 °C, halogen, cadmium, silicone- and lead-free Wire-Ø incl. isolation 1.25 mm ± 5% Coloriumbering of wires br. bk. bt. wh Stranding combination 4 wires twisted Shield no Material property (jacken) CFC, halogen, c	Wire isolation	PP (br, wh, bl, bk)
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Bend radius (moving) 10 × outer Ø Temperature range (fixed) 40+80 °C Temperature range (mobile) -25+80 °C Cable identification 634 Cable Type 3 (PUR) Approval (cable) CRUse (ANM-Syle 20549/10493); CE conform Cable weight [gim] 38.30 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 6) Diameter (core) 4 × 0.34 mm² AWG smillar to AWG 22 Material property (wire isolation) CFC., halogen-, cadmium-, sillcone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Ø Incl. isolation 1.25 mm ±5% Coloriumbering of wires br, bk, bl, wh Stranding combination 4 wires lwisted Shore hardness (jackel) 90 ±5 A Outer-Ø (jackel) 15 Fm ±5% Color (jackel) 90 ±5 A Outer-Ø (jackel) 15 Fm ±5% Color (jackel) 90 ±5 A	Material (jacket)	PUR (UL/CSA)
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Temperature range (mobile) -25+80 °C Cable (dentification) 634 Cable Type 3 (PUR) Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 36,30 Material (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (ocre) 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 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. 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, bydrolysis and microbial resistant Shore hardness (jacket)	Bend radius (moving)	10× outer Ø
Cable Identification 634 Cable Type 3 (PUR) Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable weight (g/m) 36.30 Material (wire) Cu wire, bare Resistor (core) max. 57.9km (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) 70 ±5 D Wire-Ø Incl. isolation 1.25 mm ±5% Color/humbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no Material (jacket) PUR Material property (jacket) 2FC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, tydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black	Temperature range (fixed)	-40+80 °C
Cable Type 3 (PUR) Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable weight[g/m] 36,30 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) 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) 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 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) 4.5 mm ±5% Color (jacket) 4.5 mm ±5% Color (jacket) 5 bl	Temperature range (mobile)	-25+80 °C
Approval (cable) cRUus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 36,30 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) 4.0 3.4 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, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black Color (jacket) black Chemical resistance good resistanc	Cable identification	634
Cable weight [g/m] 36,30 Material (wire) Cu wire, bare Resistor (core) max. 57 x0/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 (wire isolation) PP 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) 4.5 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VWI / CS	Cable Type	3 (PUR)
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) 4 × 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CPC-, 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, bydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) 4.5 mm ±5% Color (jacket) 4.5 mm ±5% Color (jacket) black chemical resistance flame retardant UL 1581 VWI / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nomina	Approval (cable)	cRUus (AWM-Style 20549/10493); CE conform
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) 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) 70 ± 5 D Wire-Ø incl. isolation 1.25 mm ±5% Colorinumbering 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 and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black Nemnal voltage <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 x 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 Stranding combination 4 wires twisted Shield no Material property (jacket) PUR Material property (jacket) PUR Material property (jacket) PUR Material property (jacket) PUR Material property (jacket) Q-5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black Cohor (jacket) black Cohemical 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 (f	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-, 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 Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) 91 ± 6 Outer-Ø (jacket) 9 black 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 Temperature range (fixed) 40+80 °C, (+90 °C at max. 10 000 operati	Resistor (core)	max. 57 Ω/km (20 °C)
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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 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) 4.5 mm ±5% Color (jacket) black 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	Diameter (core)	4× 0.34 mm²
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 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) black 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 (moving) 10 × outer Ø Bend radius (moving) max. 10 Mio. (25 °C)	AWG	similar to AWG 22
Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Cotor/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) black 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) <td>Material (wire isolation)</td> <td></td>	Material (wire isolation)	
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) black 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)	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
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) black 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)	Shore hardness (wire isolation)	70 ±5 D
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) 90 ± 5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black 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)	Wire-Ø incl. isolation	1.25 mm ±5%
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) black 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)	Color/numbering of wires	br, bk, bl, wh
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) black 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)	Stranding combination	4 wires twisted
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) black 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 (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C)	Shield	no
resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.5 mm ±5% Color (jacket) black 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)	Material (jacket)	PUR
Outer-Ø (jacket) A.5 mm ±5% Color (jacket) black 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)	Material property (jacket)	
Color (jacket) 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)	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) 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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	Bend radius (fixed)	5× outer Ø
	Bend radius (moving)	10× outer Ø
Travel speed (C-track) max. 3 m/s	No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
	Travel speed (C-track)	max. 3 m/s

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: 01/20



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Acceleration (C-track)	max. 10 m/s ²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Jacket Color	black
Technical Data	
Operating voltage	max. 250 V AC/DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Operating current per contact	max. 4 A
Rated surge voltage	2.5 kV
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
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25+85 °C, depending on cable quality
Commercial data	
country of origin	CZ
customs tariff number	85444290
EAN	4048879217750
eClass	27279218
Packaging unit	1