

## M8 male $0^{\circ}$ / M8 female $0^{\circ}$

PUR 3x0.25 bk UL/CSA+drag chain 30m

Male straight – female straight

M8 - M8, 3-pole

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

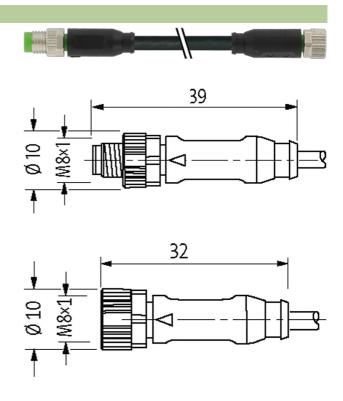
Further cable lengths on request.

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

## Approvals



cCSAus

\* only for products with UL/CSA approved cable

Form		
Form	88001	
General data		
Standards	DIN EN 61076-2-104 (M8)	
Mounting method	inserted, tightened	
Material (contact)	Copper alloy	
Material (contact surface)	Au	
Material (gasket)	FKM	
Pollution Degree	3	



stay connected

Cabametor of wires         3 + 0.25 mm²           Vor. Als Jametor of wires         3 + 0.25 mm²           Circals Oroporties         10 Mor.           Material (godwer)         PUR (ULCSA)           Cuter O         4.1 mm 35%           Bend radius (moving)         10 vouer O           Temperature range (mobile)         40 - 180 ° C           Cabbi clorestituation         630           Cabbi crype         3 (PUR)           Approval (cable)         40 - 180 ° C           Cabbi weight (gim)         28 - 40           Approval (cable)         40 - 180 ° C           Cabbi weight (gim)         28 - 40           Approval (cable)         40 - 180 ° C           Cabbi weight (gim)         28 - 40           Approval (cable)         40 - 180 ° C           Shige wire of Orchy         0 - 1 mm           Cabbi weight (gim)         28 - 40 ° C           Shige wire of Orchy         0 - 1 mm           Carabic victories         3 × 0.25 mm²           Material property (wire isolation)         PC           Material property (wire isolation)         PC PC, habigen, cadmium, silicone- and lead five           Shore hadronss (wire boldion)         70 - 5 D           Wire O Inc. Isolation         1 25 mm ±5%	Temperature range	-25+85 °C, depending on cable quality
With isolation         PP (br. bl. bis)           C track properties         10 Mio.           Material (picket)         PUB (LUCSA)           Cuter 0         4.1 mm ±5%.           Bend radius (moving)         10 × outer 0           Temperature range (ficket)         -40 80 ° C           Temperature range (mobile)         -25 80 ° C           Cable identification         630           Cable identification         630           Cable identification         630           Cable in Vigor         3 (PUR)           Approval (cable)         culture (MM-Syle 20549/10493); CE conform           Cable weight (ging)         26.40           Material (wire)         Culvier, bare           Resistor (core)         max 79 (Mm (20 °C)           Single wire of Core)         32 × 0.25 mm²           AVING         similar to AWC 24           Material (wire isolation)         PP           Material (wire isolation)         PP C., halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ± 5           Wire 2 Incl. isolation         1.25 mm ±5%           Octohrumbering of vires         br, bx, bl           Shranding combination         3 vives is wisted           Sheed	Cables	
C-track properties	No./diameter of wires	3× 0.25 mm <sup>2</sup>
Material (jacket)         PUR (ULCSA)           Outer 0         4.7 mm ±5%           Band radius (moving)         10 x outer 0           Temporature range (fixed)         40480 °C           Temporature range (fixed)         40480 °C           Cabbe identification         630           Cabbe identification         630           Cabbe (solid)         25.490 °C           Approval (cable)         CIPUR (AWAM-Style 20548/10438); CE conform           Cabbe weight (jml)         26.40           Material (jwlee)         Cu vire, bare           Resistor (core)         max. 79 fl/m (20 °C)           Single wire 9 (core)         0.5 mm           Construction (core)         32 × 0.1 mm (multi-stand wire class 6)           Damaber (core)         3 × 0.2 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Micro isolation         PP           Wire-2 mcl. isolation         1.25 mm ±5%           Colorium being of wires (solation)         1.25 mm ±5%           Vire-2 mcl. isolation         1.25 mm ±5%           Material (property (jacket)         CPC-, halogen-, cadmium -, silicone- and lead free, matt, low-adhesion, machine easy to process, abrasion-resistant thydoyleis and microbial resistant	Wire isolation	PP (br, bl, bk)
Outer O         4.1 mm ±5%           Bend radius (moving)         10 x outer O           Temperature range (tixed)         4080 °C           Temperature range (mobile)         2580 °C           Cabbi claimification         630           Cabbi Fype         3 (PUR)           Approval (cable)         cURus (AWM Style 2054910493); CE conform           Cable Type         3 (PUR)           Approval (cable)         cURus (AWM Style 2054910493); CE conform           Cable Type         3 (PUR)           Approval (cable)         cURus (AWM Style 2054910493); CE conform           Cable Weight [gim]         28.60           Material (wire)         Cure, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø(core)         0.1 mm           Construction (core)         38.0.25 mm²           AWG         similar to AWG 24           Material property (wire isolation)         PP           Material property (wire isolation)         7.0 ±0.           Pure O Incl. isolation         1.25 mm ±5%           Color-humbering of wires         br. bk, bl           Streading combination         3 wires wisted           Sheld         no           Material property (jacket)         CPC-, ha	C-track properties	10 Mio.
Bend radius (moving)	Material (jacket)	PUR (UL/CSA)
Temperature range (fixed)	Outer Ø	4.1 mm ±5%
Temperature range (mobile)	Bend radius (moving)	10× outer Ø
Cable Identification         630           Cable Type         3 (PUR)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight Igim]         26.40           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Abm (20 °C)           Single wire of (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.25 mm²           AWG         smilar to AWG 24           Material (wire isolation)         PP           Material property (wire isolation)         CPC, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire Olinci, Isolation         1.25 mm ±5%           Coloriumbering of wires         br, bk, bl           Shrading combination         3 wires twisted           Shield         no           Material property (jacket)         CPC, 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)         4.1 mm ±5%           Color (jacket)         4.1 mm ±5%           Color (jacket)         black	Temperature range (fixed)	-40+80 °C
Cable Type         3 (PUR)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight (gim)         26,40           Malerial (wire)         Cu wire, bare           Resistor (core)         max. 79 (Dkm (20 °C))           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.25 mm²           AWG         similar to AWG 24           Material property (wire isolation)         PP           Material property (wire isolation)         CFC , halogen - cadmium - silicone - and lead-free           Shore hardness (wire isolation)         125 mm ±5%           Coloriumbering of wires         br, bk, bl           Shandle oportivation         3 wires twisted           Shore hardness (jacket)         PUR           Material property (jacket)         PUR           Material property (jacket)         CFC , halogen - cadmium - silicone - and lead-free , matt, low-achesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness (jacket)         9.0 ±5 A           Outer-20 (jacket)         4.1 mm ±5%           Color (jacket)         4.1 mm ±5%           Color (jacket)         black           Chemical resi	Temperature range (mobile)	-25+80 °C
Approval (cable)         cURus (AWM-Syle 20549/10493); CE conform           Cable weight [g/m]         26.40           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material property (wire isolation)         PCFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire Isolation)         70 ± 5 D           Wire Ø Incl. isolation         1.25 mm ±5%           Color/mubbring of wires         br, bk, bl           Shrading combination         3 wires twisted           Shield         no           Material (pocket)         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 A markess (jacket)         90 ± 5 A           Outer Ø (jacket)         4.1 mm ±5%           Color (jacket)         4.1 mm ±5%           Color (jacket)         black           Chemical resistance         fl	Cable identification	630
Cable weight [g/m]         26.40           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.25 mm²           AWG         similar to AWG 24           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 (property (facket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt. low-adhesion, machine easy to process, abrasion-resistant, tryotrolysis and microbial resistant           Shore hardness (facket)         PUR           Material property (facket)         4.1 mm ±5%           Color (facket)         4.1 mm ±5%           Color (facket)         4.1 mm ±5%           Color (facket)         black           Cohemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)	Cable Type	3 (PUR)
Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 ≥ 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 0.25 mm²           AWG         similar to AWG 24           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/humbering 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, brytorlysis and microbial resistant           Shore hardness (jacket)         OFC, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, protorlysis and microbial resistant           Shore hardness (jacket)         OFC, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, protorlysis and microbial resistant           Shore hardness (jacket)         OFC, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, protorlysis and microbi	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3.2 × 25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         1.25 mm ±5%           Colorinumbering 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           Shred hardness (jacket)         90 ± 5 A           Outer-Ø (jacket)         4.1 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           Torsion stress         5 volter Ø <td>Cable weight [g/m]</td> <td>26,40</td>	Cable weight [g/m]	26,40
Single wire Ø (core)         0.1 mm           Construction (core)         32 x 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 0.25 mm²           AWG         similar to AWG 24           Material property (wire isolation)         PP           Material property (wire isolation)         70 ± 5 D           Shore hardness (wire isolation)         70 ± 5 D           Wire-Ø ind. isolation         1.25 mm ±5%           Coloriumbering 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)         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           Nominal voltage         300 V AC           Test voltage         2500 V AC           Current load capacity         to DIN VDE 0298-4	Material (wire)	Cu wire, bare
Construction (core)         3≥× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         1.25 mm ±5%           Colorimumbering 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)         4.1 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)	Resistor (core)	max. 79 Ω/km (20 °C)
Diameter (core)         3 × 0.25 mm²           AWG         similar to AWG 24           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 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)         black           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           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)           Fender adulus (fixed)         5× outer Ø           Bend radi	Single wire Ø (core)	0.1 mm
AWG         similar to AWG 24           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%           Cotorinumbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           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)         90 ±5 A           Culter-Ø (jacket)         4.1 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 60332-2, 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)         -25+80 °C, (+90 °C at max. 10 0000 operating hou	Construction (core)	32× 0.1 mm (multi-strand wire class 6)
Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           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           Cuter-Ø (jacket)         4.1 mm ±5%           Color (jacket)         black           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)           Bend radius (moving)         10 × outer Ø           Bend radius (m	Diameter (core)	3× 0.25 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           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           Cuter-Ø (jacket)         4.1 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 60332-22           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)           Temperature range (mobile)         -25+80 °C, (+90 °C at max. 10 000 operating hours)           Bend radius (fixed)         5 × outer Ø           Bend radius (moving)         10 ×	AWG	similar to AWG 24
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 properly (jacket)         PUR           Material properly (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           Cuter-Ø (jacket)         9.0 ±6 A           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)         40480 °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 (wire isolation)	PP
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, hydrolysis and microbial resistant           Shore hardness (jacket)         90 ±5 A           Outer-Ø (jacket)         4.1 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           Bend radius (moving)         10× outer Ø           No. of bending cycles (C-track)         max. 10 m/s²           Tors	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  Shield no  Material (jacket) PUR  Material property (jacket) CFC-, halogen-, cadmitum-, 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) 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 m/s²  Torsion stress ±180 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min	Shore hardness (wire isolation)	70 ±5 D
Stranding combination 3 wires twisted  Shield no  Material (jacket) PUR  Material (jacket) PUR  Material property (jacket) CCFC-, 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) 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  No. of bending cycles (C-track) max. 3 m/s  Acceleration (C-track) max. 3 m/s  Acceleration (C-track) max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min	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)         4.1 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)           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) <t< td=""><td>Color/numbering of wires</td><td>br, bk, bl</td></t<>	Color/numbering of wires	br, bk, bl
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)  4.1 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)  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	Stranding combination	3 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)  4.1 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)  Travel speed (C-track)  max. 3 m/s  Acceleration (C-track)  max. 10 m/s²  Torsion speed  35 cycles/min	Shield	no
resistant, hydrolysis and microbial resistant  Shore hardness (jacket)  90 ± 5 A  Outer-Ø (jacket)  4.1 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)  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	Material (jacket)	PUR
Outer-Ø (jacket)         4.1 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)           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	Material property (jacket)	
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)  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 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	Outer-Ø (jacket)	4.1 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	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)           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	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	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	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) 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	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/s²
Torsion speed 35 cycles/min	Torsion stress	±180°/m
	No. of torsion cycles	max. 2 Mio. (25 °C)
Jacket Color black	Torsion speed	35 cycles/min
	Jacket Color	black



stay connected

Technical Data	
Operating voltage	max. 50 V AC/60 V DC
Operating voltage (only UL listed)	30 V AC/DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
No. of poles	3
Material group	IEC 60664-1, category I
LED display	no
Locking of ports	Screw thread (M8×1 mm) recommended torque 0.4 Nm, self-securing
Compression gland	M8 (SW9)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal $\emptyset$ )	6.5 mm
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879377782
eClass	27279218
Packaging unit	1
Sketch	

1 — brown (+) — C 1

4 — black (N/O) — C 4

3 — blue (-) — C 3

Male

Female

1 • • 3

3 (00)

Product may differ from Image