

## M12 male $0^{\circ}$ / M12 female $0^{\circ}$

PUR 8x0.34 gy UL/CSA+drag chain 10m

Male straight - female straight

M12 - M12, 8-pole

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

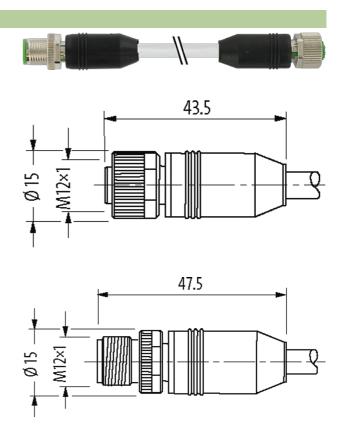
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

## **Link to Product**

## Illustration



Product may differ from Image

## **Approvals**



\* only for products with UL/CSA approved cable

cCSAus

Form	
Form	48001
General data	
Standards	DIN EN 61076-2-101 (M12)
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	FKM

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: 11/20



Temperature range	Pollution Degree	3
No. Joinneter of virres         8 × 0.54 mm²           Wite isolation         PP (wit, br, gn, ye, gr, pk, bl. rd)           Crack properties         10 Mio.           Material [jacket]         PVRI (ULCSA)           Outer 0         6.0 mm ±5%           Bord radiac (moving)         10 eouer 0           Temperature range (mobile)         -2580 °C           Cable (and)         376           Cable (Type)         3(PUR)           Approval (cable)         cullsus (AWM-Style 2054910493); CE conform           Cable (Type)         3(PUR)           Approval (cable)         cullsus (AWM-Style 2054910493); CE conform           Cable weight (pm)         49.50           Material (wire)         Cu wire, bare           Resistor (core)         max 57 QMm (20 °C)           Material (wire)         42.0.1 mm (multi-strand wire class 6)           Diamotor (core)         42.0.1 mm (multi-strand wire class 6)           Diamotor (core)         42.0.1 mm (multi-strand wire class 6)           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         CPC - halogen-, cadmium-, silicone- and lead-free           Wire-Q (incl. isolation         1.25 mm ±5%           Color include (wire) <td>Temperature range</td> <td>-25+85 °C, depending on cable quality</td>	Temperature range	-25+85 °C, depending on cable quality
Wire isolation         PP (wh. br. gn. ye. gr. pk. bl. rd)           C frack properties         10 Mo.           Material (gokelq)         PUR (ULCSA)           Outer Ø         6.0 mm ±5%           Band radius (moving)         11x outer Ø           Temperature range (fixed)         -40 - 80 ° C           Temperature range (mobile)         -25 - 80 ° C           Cabite Infection         376           Cabite Type         3(PUR)           Approval (cabite)         c. URUs (AVM-Style 2054910493); CE conform           Cabite weight (ghm)         49.50           Approval (cabite)         C. Wire (aVM-Style 2054910493); CE conform           Resistor (core)         max. 57 Ωkm (20 °C)           Rasiliar (core)         max. 57 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 ° 0.1 mm (multi-etrand wire class 6)           Dameter (core)         8.03 * mm²           AVXS         similar to AVX 22           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         70 ± D           Wire- Øn Lisolation         1.25 mm ±5%           Color-Limbering of wires         br., wh. rd, bl., bc, gr., ye, on <tr< td=""><td>Cables</td><td></td></tr<>	Cables	
C-brack properties         10 Milo.           Material (jacker)         PUR (ULCSA)           Outer Ø         6.0 mm ±5%           Band radius (moving)         10 x outer Ø           Temperature range (fixed)         -4080 °C           Temperature per (mobile)         -2580 °C           Cable Type         3(PUR)           Approval (cable)         ULFlus (AVM-Skyle 20549/10493); CE conform           Cable Type         3(PUR)           Approval (cable)         ULFlus (AVM-Skyle 20549/10493); CE conform           Cable weight (gim)         49,50           Material (wire)         Cu wire, bare           Brasisior (core)         max 57 0.8m (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 x 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 x 3.4 mm²           AWG         similar to AWG 22           Material (wire Isolation)         PP           Material (wire Isolation)         CPC-, hatogen-, cadmium-, silicone- and lead-free           Stranding combination         1 2.5 mm ±5%           Coloriumbering of wires         br. wh. rd. bl. pk. gr. ye. gn           Stranding combination         8 wires twisted around central filler           Shore hardness (jacket) <td>No./diameter of wires</td> <td>8× 0.34 mm²</td>	No./diameter of wires	8× 0.34 mm²
C-brack properties         10 Milo.           Material (jacker)         PUR (ULCSA)           Outer Ø         6.0 mm ±5%           Band radius (moving)         10 x outer Ø           Temperature range (fixed)         -4080 °C           Temperature per (mobile)         -2580 °C           Cable Type         3(PUR)           Approval (cable)         ULFlus (AVM-Skyle 20549/10493); CE conform           Cable Type         3(PUR)           Approval (cable)         ULFlus (AVM-Skyle 20549/10493); CE conform           Cable weight (gim)         49,50           Material (wire)         Cu wire, bare           Brasisior (core)         max 57 0.8m (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 x 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 x 3.4 mm²           AWG         similar to AWG 22           Material (wire Isolation)         PP           Material (wire Isolation)         CPC-, hatogen-, cadmium-, silicone- and lead-free           Stranding combination         1 2.5 mm ±5%           Coloriumbering of wires         br. wh. rd. bl. pk. gr. ye. gn           Stranding combination         8 wires twisted around central filler           Shore hardness (jacket) <td>Wire isolation</td> <td>PP (wh, br, gn, ye, gr, pk, bl, rd)</td>	Wire isolation	PP (wh, br, gn, ye, gr, pk, bl, rd)
Outer Ø         6.0 mm ±5%           Bend radius (moving)         10 × outer Ø           Temperature range (mobile)         4.9	C-track properties	
Outer O	-	PUR (UL/CSA)
Temperature range (mobile)	Outer Ø	6.0 mm ±5%
Temperature range (mobile)	Bend radius (moving)	10× outer Ø
Cable Identification         376           Cable Type         3(PUR)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight (g/m)         49.50           Material (wire)         Cu wire, bare           Besistor (core)         max. 57 Ωkm (20 °C)           Single wire & (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.34 mm²           AWG         similar to AWG 22           Material property (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire solation)         70 ±5 D           Wire-2-incl. Isolation         1 25 mm ±5%           Color/humbering of wires         br., wh., rd. bl. pk., gr., ye, gn           Stranding combination         8 wires twisted around central filler           Shield         no           Material (jacket)         PUR           Material (jacket)         PUR           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)         6.0 mm ±5%	Temperature range (fixed)	-40+80 °C
Cable Type         3(PUR)           Approval (cable)         cURus (ANM-Style 20549/10493); CE conform           Cable weight [gim]         49,50           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)         8 x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, wh. rd. bl. ky. gr. ye. gn           Stranding combination         8 wires twisted around central filler           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           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)	Temperature range (mobile)	-25+80 °C
Approval (cable)         cURus (AWM-Syte 20549/10493); CE conform           Cable weight (g/m)         49,50           Material (wire)         Cu wire, bare           Resistor (core)         max, 57 Økm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         70 ± 5 D           Wire Ø incl. isolation         1.25 mm ±5%           Colorhumbering of wires         br, wh, rd, bl.pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           Shold         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrohysis and microbial resistant           Shore hardness (jacket)         90 ± 5 A           Cuter Ø (jacket)         6.0 mm ±5%           Cotor (jacket)         gray           chemical resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2           Nom	Cable identification	376
Cable weight [g/m]         49,50           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)         8. 0.34 mm²           AWG         similar to AWG 22           Material property (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         70±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/mumbering of wires         br., wh. d. bl., pk. gr, ye. gn           Stranding combination         8 wires twisted around central filler           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 ±6 A           Outer-Ø (jacket)         6.0 mm ±5%           Color (jacket)         gray           Cholor (jacket)         gray           Chorriackell         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         flame r	Cable Type	3(PUR)
Material (wire)         Cu wire, bare           Resistor (core)         max. 57 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         70 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Colorhumbering of wires         br., wh. rd. bl., pk. gr., ye., gn           Stranding combination         8 wires twisted around central filler           Shold         no           Material property (facket)         PUR           Material property (facket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydrolysis and microbial resistant           Shore hardness (facket)         90 ±5 A           Outer-Ø (facket)         6.0 mm ±5%           Color (facket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2           Nominal voltage         300 V AC           Temperature range (fixed)	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Resistor (core)         max 57 Qkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 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/humbering of wires         br, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires wisted around central filler           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, mat, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness (jacket)         90 ±5 A           Cuter-Ø (jacket)         6.0 mm ±5%           Color (jacket)         gray           Color (jacket)         gray           Chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Toil 803 Test B)           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2.2           Nominal voltage         2500 V AC	Cable weight [g/m]	49,50
Single wire Ø (core)         0.1 mm           Construction (core)         42- 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 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)         70-45 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, wh, rd, bl, pk, gr, ye. gn           Stranding combination         8 wires twisted around central filler           Shield         no           Material (jacket)         PUR           Material property (jacket)         PCFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, phydrolysis and microbial resistant           Shore hardness (jacket)         90 ±5 A           Outer-Ø (jacket)         6.0 mm ±5%           Color (jacket)         90 ±5 A           Outer-Ø (jacket)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         flame retardam UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2           <	Material (wire)	Cu wire, bare
Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 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/humbering of wires         br, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           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)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         good resistance to all, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2.2           Nominal voltage         300 V AC           Temperature	Resistor (core)	max. 57 <b>Ω/</b> km (20 °C)
Diameter (core)         8 × 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, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           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           Outer-Ø (jacket)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           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	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)         70 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Cotor/numbering of wires         br, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires wisted around central filler           Shield         no           Material (jacket)         PUR           CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket)           Shore hardness (jacket)         90 ±5 A           Outer-Ø (jacket)         90 ±5 A           Color (jacket)         gray           Chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           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) <td>Construction (core)</td> <td>42× 0.1 mm (multi-strand wire class 6)</td>	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)         70 ±5 D           Wire-O incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, wh. rd, bl, pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           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)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           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)	8× 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, wh, rd, bl, pk, gr, ye, gn  Stranding combination  8 wires twisted around central filler  Shield  no  Material (jacket)  PUR  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness (jacket)  90 ±5 A  Outer-Ø (jacket)  Color (jacket)  Good resistance of seistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)  thermal resistance  flame retardant UL. 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2  Nominal voltage  300 V AC  Test voltage  2500 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  4-0+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile)  5× outer Ø  Bend radius (fixed)  5× outer Ø  No. of bending cycles (C-track)  max. 10 Mio. (25 °C)  Travel speed (C-track)  max. 10 Mio. 25 °C)  Travel speed (C-track)  max. 10 Mio. 22  ±180 °/m	AWG	similar to AWG 22
Shore hardness (wire isolation)         70 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           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)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           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 (moving)         10 × outer Ø           No. of bending cycles (C-track)         max. 10 Mio. (25 °C)           Travel speed (C-tr	Material (wire isolation)	PP
Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, wh, rd, bl, pk, gr, ye, gn           Stranding combination         8 wires twisted around central filler           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)         6.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2           Nominal voltage         300 V AC           Test voltage         2500 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -40+80 °C, (+90 °C at max. 10 000 operating hours)           Temperature range (mobile)         -25+80 °C, (+90 °C at max. 10 000 operating hours)           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No. of bending cycles (C-track)         max. 3 m/s           Acceleration (C-track)         <	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Cotor/numbering of wires br, wh, rd, bl, pk, gr, ye, gn  Stranding combination 8 wires twisted around central filler  Shield no  Material (jacket) PUR  Auterial 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) 6.0 mm ±5%  Color (jacket) gray  chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)  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. 3 m/s  Acceleration (C-track) max. 3 m/s  Acceleration (C-track) max. 10 m/s²  Torsion stress ±180 °/m	Shore hardness (wire isolation)	70 ±5 D
Stranding combination 8 wires twisted around central filler  Shield no  Material (jacket) PUR  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) 6.0 mm ±5%  Color (jacket) gray  chemical resistance good resistance to oii, gasoline and chemicals (VDE 0472 Teii 803 Test B)  thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2  Nominal voltage 300 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -4-0+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. 3 m/s  Acceleration (C-track) max. 10 m/s²  Torsion stress ±180 °/m	Wire-Ø incl. isolation	1.25 mm ±5%
Shield no  Material (jacket) PUR  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) 6.0 mm ± 5%  Color (jacket) gray  chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)  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. 3 m/s  Acceleration (C-track) max. 10 m/s²  Torsion stress ±180 °/m	Color/numbering of wires	br, wh, rd, bl, pk, gr, ye, gn
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)       6.0 mm ±5%         Color (jacket)       gray         chemical resistance       good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)         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	Stranding combination	8 wires twisted around central filler
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) 6.0 mm ±5%  Color (jacket) gray  Chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)  thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5× outer Ø  Bend radius (fixed) 5× outer Ø  Bend radius (moving) 10× outer Ø  No. of bending cycles (C-track) max. 10 Mio. (25 °C)  Travel speed (C-track) max. 3 m/s  Acceleration (C-track) max. 10 m/s²  Torsion stress ±180°/m	Shield	no
Material property (jacket)  Shore hardness (jacket)  90 ±5 A  Outer-Ø (jacket)  6.0 mm ±5%  Color (jacket)  gray  chemical resistance  good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)  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)  Travel speed (C-track)  max. 3 m/s  Acceleration (C-track)  max. 10 m/s²  Torsion stress  ±180 °/m	Material (jacket)	PUR
Outer-Ø (jacket)       6.0 mm ±5%         Color (jacket)       gray         chemical resistance       good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)         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	Material property (jacket)	
Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) 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	Shore hardness (jacket)	90 ±5 A
chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) 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	Outer-Ø (jacket)	6.0 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	Color (jacket)	gray
Nominal voltage         300 V AC           Test voltage         2500 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -40+80 °C, (+90 °C at max. 10 000 operating hours)           Temperature range (mobile)         -25+80 °C, (+90 °C at max. 10 000 operating hours)           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No. of bending cycles (C-track)         max. 10 Mio. (25 °C)           Travel speed (C-track)         max. 3 m/s           Acceleration (C-track)         max. 10 m/s²           Torsion stress         ±180°/m	chemical resistance	good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)
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	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	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	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	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	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	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
No. of bending cycles (C-track)  Travel speed (C-track)  Acceleration (C-track)  max. 10 Mio. (25 °C)  max. 3 m/s  Acceleration (C-track)  max. 10 m/s²  Torsion stress  ±180°/m	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	Bend radius (moving)	10× outer Ø
Acceleration (C-track) max. 10 m/s²  Torsion stress ±180°/m	No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Torsion stress ±180°/m	Travel speed (C-track)	max. 3 m/s
	Acceleration (C-track)	max. 10 m/s <sup>2</sup>
No. of torsion cycles max. 2 Mio. (25 °C)	Torsion stress	±180°/m
	No. of torsion cycles	max. 2 Mio. (25 °C)

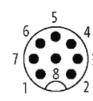


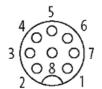
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Torsion speed	35 cycles/min
Jacket Color	gray
Technical Data	
Operating voltage	max. 30 V AC/DC
Operating voltage (only UL listed)	30 V AC/DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 2 A
No. of poles	8
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	no
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
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal $\emptyset$ )	without
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879728737
eClass	27279218
Packaging unit	1

Male

Female





Product may differ from Image

Sketch