

## M12 MALE / M12 FEMALE 0° SHIELDED

PUR 8x0,25 shielded GRAY, UL/CSA, drag ch 5,5m

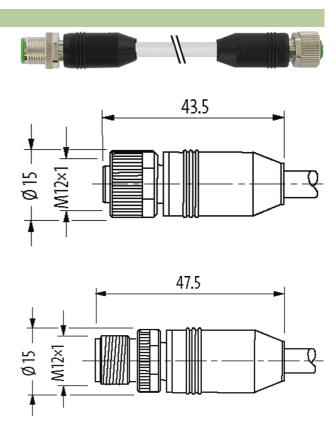
Male straight – female straight M12 – M12, 8-pole shielded

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	48041
General data	
Standards	DIN EN 61076-2-101 (M12)
Temperature range	-25+85 °C, depending on cable quality
Cables	
No./diameter of wires	8× 0.25 mm <sup>2</sup>



stay connected

Motorial (jacket)         PUR (ULCSA)           Outer Ø         7.0 mm ±5%           Bend radius (mowing)         10 outer Ø           Temperature range (fised)         4080 °C           Cabile (dentification         284           Cabile (dentification)         284           Cabile (weight [gim]         7.80           Gabie weight [gim]         7.80           Material (wive)         Cu wire, bare           Resistor (core)         ma. 7.9 QMm (20 °C)           Single wive Ø (core)         O. Imm (multi-stand wire class 8)           Construction (core)         32 × 0.1 mm (multi-stand wire class 8)           Diameter (core)         8 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Mire Ø (incl. isolation)         PP           Wire Ø (incl. isolation)         PP           Wire Ø (incl. isolation)         P. I. zm ±5%           Golorhumbering of wire isolation)         7.0 ± 5.0           Wire Ø (incl. isolation)         8 vies bivisided around contral filler           Sheria Andreas (gircket)         9.0 ± 5.4           Outer Ø (gircket)         20 halogen. cadmium. silicone- and lead-free, mall, low- adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant	Wire isolation	PP (br, wh, bl, bk, gr, pk, vi, or)
Dute of Description	C-track properties	5 Mio.
Bend radius (moving)	Material (jacket)	PUR (UL/CSA)
Temperature range (fixed) -4040 °C Temperature range (mobile) -2540 °C Cable identification 294 Cable Type 3 (PUR) Approval (abbie) -2540 °C Cable identification 294 Cable Weight (abbie) -2540 °C Cable weight (gim) 74.80 Material (wire) -2540 °C Cable weight (gim) 74.80 Material (wire) -2540 °C Carbanucion (core) -32 °C Carbanucion (cor	Outer Ø	7.0 mm ±5%
Temperature range (mobile)	Bend radius (moving)	10× outer Ø
Cable Type         3 (PUR)           Approval (cable)         cLRUS (AWM-Style 20549/10493); CE conform           Cable Type         3 (PUR)           Approval (cable)         cLRUS (AWM-Style 20549/10493); CE conform           Cable weight (gim)         74,80           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 QMm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32× 0.1 mm (multi-stand wire class 6)           Diameter (core)         8+ 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         70 ±5 D           Wire Ø Incl. isolation         1.2 mm ±5%           Colorhumbering of wires         br., or, vi, pk. pt. bt. bi. wh           Stranding combination         8 vires wisted around central filler           Shield         yos           Material (jacket)         puB           Material (jacket)         CPC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistance           Material (jacket)         yos           Material (jacket)         7.0 mm ±5%           Color (jacket)<	Temperature range (fixed)	-40+80 °C
Cable Type         3 (PUR)           Approval (cable)         cDRus (AWM-Style 20549/10493); CE conform           Cable weight [gm]         74,80           Material (wire)         Cuive, bare           Resistor (core)         max. 79 D/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.25 mm²           AWG         similar to AWG 24           Material propenty (wire isolation)         PP           Material propenty (wire isolation)         CFC-, halogen-, cadmium-, sillcone- and lead-free           Shore hardness (wire isolation)         1 mm ±5%           Color/numbering of wires         br. or. vi., pk. gr. bk. bl. wh           Stranding combination         8 wires twisted around central filler           Shield         yes           Shield         yes           Material (gacket)         PUR           Material (gacket)         PUR           Material property (gacket)         CFC-, halogen-, cadmium-, sillcone- and lead-free, mat. low-adhesion, machine easy to process, abrasion-resistant.           Shore hardness (gacket)         pun           Outer-Ø (gacket)         7.0 mm ±5%           Color (gacket)         7.0 mm ±5%	Temperature range (mobile)	-25+80 °C
Approval (cable)         cURus (AWM-Syle 20544/10493); CE conform           Cable weight (gm)         74,80           Material (wire)         Cu wire, bare           Redistor (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)         8 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material property (wire isolation)         70 ± 5D           Wire-Øindi, isolation         1.2 mm ±5%           Colorizumbering of wires         1.2 mm ±5%           Stranding combination         8 wires twisted around central filter           Shield         yes           min. 80%         Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant.           Material gicket)         PUR           Material gicket)         PUR           Material gicket)         PUR           Material gicket)         90 ± 5 A           Cuter-Ø (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)	Cable identification	294
Cable weight (gim)         74.80           Material (wire)         Cu wire, bare           Easistor (core)         max. 79 Mxm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         32 - 0.1 mm (mill-strand wire class 6)           Diameter (core)         8 - 0.25 mm!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Cable Type	3 (PUR)
Material (wire)         Cu wire, bare           Resistor (core)         max 79 (/km (20 °C))           Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.25 mm²           AWG         similar to AWG 24           Material property (wire isolation)         CPC, halogen., cadmium., silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire Ø Incl. isolation         1.2 mm ±5%           Coloriumbering of wires         br, or, vi, pk, gr, bk, bl, wh           Shore hardness (wire isolation)         8 wires twisted around central filler           Shold         yes           Shranding combination         8 wires twisted around central filler           Shold         yes           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)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         9.0 ±5 A           Outer-Ø (jacket)         9.0 ±5 A           Outer	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Flesistor (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)         8 × 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         1.2 mm ±5%           Colorhumbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           min. 80%           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)         PUR           Material (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         9.0 ± A           Color (jacket)         9.0 ± A           Nominal voltage         300 ∨ AC           Current load capacity         b DIN VDE 0298-4 </td <td>Cable weight [g/m]</td> <td>74,80</td>	Cable weight [g/m]	74,80
Single wire Ø (core)         0.1 mm           Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 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)         1.2 mm ±5%           Color/numbering of wires         br. or, vi. pk. gr. bk, bl. wh           Stranding combination         8 wires twisted around central filler           Shield         yes           Material (jacket)         PUR           CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant and property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant and property (jacket)           Material property (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)         90.45 A           Outer-Ø (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Outer-Ø (jacket)         7.0 mm ±5%           Outer-Ø (jacket)         9.0 mm ±5%	Material (wire)	Cu wire, bare
Construction (core)         32 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         8 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material property (wire isolation)         CPC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         1.2 mm ±5%           Colonhumbering of wires         br, or, vii, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           min. 80%         min. 80%           Material (jacket)         PUR           Material property (jacket)         CPC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, thydrolysis and microbial resistant           Store hardness (jacket)         90 ±5 A           Outer-Ø (jacket)         7.0 mm ±5%           Color (jacket)         gray           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         200 V AC           Current load capacity         to DIN VDE 0298-4           Temperature	Resistor (core)	max. 79 Ω/km (20 °C)
Diameter (core)         8 x 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PP           Material (wire isolation)         CPC_ halogen_, cadmium_, silicone- and lead-free           Shore hardness (wire isolation)         70 ±5 D           Wire-O incl. isolation         1.2 mm ±5%           Color/numbering of wires         br. or, vi. jk. jk. jk. jk. jk. jk.           Shranding combination         8 wires wisted around central filler           Shranding combination         9 wires wisted around central filler           Shranding combination         PUR           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           Culore-20 (jacket)         7.0 mm ±5%           Color (jacket)         gray           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           Temperature range (fixed)         40+80 °C, (+90 °C at max. 10 000 operating hours)           Bend radius (fixed)         5x outer Ø           Bend radius (fixed)	Single wire Ø (core)	0.1 mm
AWG         similar to AWG 24           Material property (wire isolation)         PP           Material property (wire isolation)         CPC-, halogen-, cadmium-, silicone- and lead-free           Wire-Q incl. isolation         1.2 mm ±5%           Color/numbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires wisted around central filler           Shield         yes           min. 80%         Material (jacket)           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, phydrolysis and microbial resistant           Shore hardness (jacket)         PUR           Meterial property (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         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         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         40480 °C, (+90 °C at max. 10 000 operating hours)           Bend radius (fixed)         5 vouter Ø	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         12 mm ±5%           Color/numbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           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)         PUR           Material property (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         7.0 mm ±5%           Color (jacket)         gray           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           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         4080 °C, (+90 °C at max. 10 000 operating hours)           Temperature range (mobile)         2-580 °C, (+90 °C at max. 10 000 operating	Diameter (core)	8× 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         1.2 mm ±5%           Color/mumbering of wires         br. or, vi. pk. gr. bk. bl. wh           Stranding combination         8 wires bristed around central filler           Shield         yes           min. 80%           Material gicketh         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)         7.0 mm ±5%           Cotor (jacket)         gray           chemical resistance         flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2.2           Nominal voltage         300 V AC           Test voltage         2000 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 (fixed)         5× outer Ø           No. of	AWG	similar to AWG 24
Shore hardness (wire isolation)         70 ±5 D           Wire-Ø incl. isolation         1.2 mm ±5%           Color/numbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           min. 80%         min. 80%           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)         7.0 mm ±5%           Cotor (jacket)         gray           chemical resistance         flame retardant UL 1581 VWI / 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)         -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. 5 m/s²           Travel speed (C-track)         max. 5 m/s²           Torsion	Material (wire isolation)	PP
Wire-Ø incl. isolation         1.2 mm ±5%           Color/numbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           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)         7.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         llaame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2           Nominal voltage         300 V AC           Test voltage         2000 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. 10 000 operating hours)           Bendr adius (fixed)         x outer Ø           Bendr adius (moving)         10 x outer Ø           No. of bending cycles (C-track)         max. 5 m/s²           Traversing distance (C-track)         m	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires         br, or, vi, pk, gr, bk, bl, wh           Stranding combination         8 wires twisted around central filler           Shield         yes           min. 80%           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)         7.0 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oii, 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         2000 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 x outer Ø           No. of bending cycles (C-track)         max. 5 m (horizontal)           Traversing distance (C-track)         max. 5 m (s²	Shore hardness (wire isolation)	70 ±5 D
Stranding combination         8 wires twisted around central filler           Shield         yes           min. 80%           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)         7.0 mm ±5%           Color (jacket)         gray           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         2000 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. 5 Mio. (25 °C)           Traver sing distance (C-track)         max. 5 m (horizontal)           Travel speed (C-track)         max. 5 m/s²           <	Wire-Ø incl. isolation	1.2 mm ±5%
Shield         yes           min. 80%           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)         7.0 mm ±5%           Color (jacket)         gray           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           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. 5 m(o.(25 °C)           Traver sing distance (C-track)         max. 5 m(o.(25 °C)           Traver sing distance (C-track)         max. 5 m(o.(25 °C)           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsio	Color/numbering of wires	br, or, vi, pk, gr, bk, bl, wh
min. 80%           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)         7.0 mm ±5%           Color (jacket)         gray           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           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. 5 Mio. (25 °C)           Travel speed (C-track)         max. 5 m/s²           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color	Stranding combination	8 wires twisted around central filler
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)         7.0 mm ±5%           Color (jacket)         gray           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         2000 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. 5 Mio. (25 °C)           Traversing distance (C-track)         max. 5 m/s²           Torsion stress         ±30°/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color         gray	Shield	yes
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)  7.0 mm ±5%  Color (jacket)  gray  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  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. 5 Mio. (25 °C)  Traversing distance (C-track)  max. 3.3 m/s  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color		min. 80%
Resistant, hydrolysis and microbial resistant	Material (jacket)	PUR
Outer-Ø (jacket)         7.0 mm ±5%           Color (jacket)         gray           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         2000 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. 5 Mio. (25 °C)           Traversing distance (C-track)         max. 5 m (horizontal)           Travel speed (C-track)         max. 3.3 m/s           Acceleration (C-track)         max. 5 m/s²           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color         gray	Material property (jacket)	
Color (jacket)         gray           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         2000 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. 5 Mio. (25 °C)           Traversing distance (C-track)         max. 5 m (horizontal)           Travel speed (C-track)         max. 5 m/s           Acceleration (C-track)         max. 5 m/s²           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color         gray	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 2000 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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 5 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Outer-Ø (jacket)	7.0 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 2000 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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Color (jacket)	gray
Nominal voltage         300 V AC           Test voltage         2000 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. 5 Mio. (25 °C)           Traversing distance (C-track)         max. 5 m (horizontal)           Travel speed (C-track)         max. 3 m/s           Acceleration (C-track)         max. 5 m/s²           Torsion stress         ±30 °/m           No. of torsion cycles         max. 2 Mio. (25 °C)           Torsion speed         35 cycles/min           Jacket Color         gray	chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Test voltage 2000 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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color	Test voltage	2000 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. 5 Mio. (25 °C)  Traversing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 5 m/s²  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed)  5 × outer Ø  Bend radius (moving)  10 × outer Ø  No. of bending cycles (C-track)  max. 5 Mio. (25 °C)  Traversing distance (C-track)  max. 5 m (horizontal)  Travel speed (C-track)  max. 3.3 m/s  Acceleration (C-track)  max. 5 m/s²  Torsion stress  ±30 °/m  No. of torsion cycles  max. 2 Mio. (25 °C)  Torsion speed  35 cycles/min  Jacket Color  gray	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. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
No. of bending cycles (C-track) max. 5 Mio. (25 °C)  Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Bend radius (fixed)	5× outer Ø
Traversing distance (C-track) max. 5 m (horizontal)  Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30°/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Bend radius (moving)	10× outer Ø
Travel speed (C-track) max. 3.3 m/s  Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Acceleration (C-track) max. 5 m/s²  Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Traversing distance (C-track)	max. 5 m (horizontal)
Torsion stress ±30 °/m  No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Travel speed (C-track)	max. 3.3 m/s
No. of torsion cycles max. 2 Mio. (25 °C)  Torsion speed 35 cycles/min  Jacket Color gray	Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Torsion speed 35 cycles/min  Jacket Color gray	Torsion stress	±30°/m
Jacket Color gray	No. of torsion cycles	max. 2 Mio. (25 °C)
· ·	Torsion speed	35 cycles/min
Technical Data	Jacket Color	gray
	Technical Data	



stay connected

Operating voltage	max. 30 V AC/DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 2 A
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)
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879506663
eClass	27279218
Packaging unit	1
Sketch	

Product may differ from Image