

M8 male 90  $^{\circ}$  / M8 female 90  $^{\circ}$ 

PVC 4x0.25 gy UL/CSA 2m

Male 90° - female 90° M8 - M8, 4-pole

with cable sleeves

Further cable lengths on request.

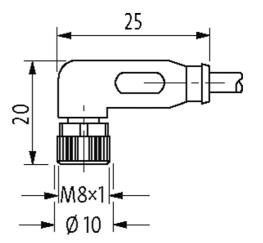
Plastic housings with good resistance against chemicals and oils.

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





\* only for products with UL/CSA approved cable

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Form	88091
Technical Data	
Operating voltage	max. 50 V AC/60 V DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Operating current per contact	max. 4 A
Rated surge voltage	0.8 kV
Material group	IEC 60664-1, category I
Locking of ports	Screw thread (M8×1 mm) recommended torque 0.4 Nm, self-securing

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 02/21



stay connected

Looking material         Zinc die cassing, matte nickel plated           Material         PUR           Satabate for corrogated tube (internal 0)         6.5 mm           General data         DIN EN 61076-2-104 (M8)           Publision Dagree         3           Temperature range         -25, +85 °C, depending on cable quality           Cables         Cables           Cables (Explose)         UL (AWM-Sylve 2464/1731), CSA           Cables weight [gim]         34.76           Material (wire)         Cu wire, barre           Resiston (core)         max. 79 QMm (20 °C)           Single wire (core)         max. 79 QMm (20 °C)           Single wire (core)         14 ± 0.15 mm (multi-strand wire class 5)           Claimater (core)         4 ± 0.25 mm²           AWG         smillar to AWG 24           Material (wire isolation)         PVC           Miscelarial property inscisolation)         PVC           Wired Onlin. Lociation         1.25 mm s6%           Colorium/mbering of wire isolation         4.5 ± 5 D           Wired Colorium/mbering of wire         5 ± 5, b, b, wh           Straining combination         4 wires twisted           Material (sacket)         PVC           Material (sacket)         PCC , cadmium., silicone- and	Compression gland	M8 (SW9)
Meterial         PUR           suitable for corrugated tube (internal 0)         6.5 mm           Ceneral data         Contental of the Contract of the	Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
surbable for comugated tube (internal 0)         6.5 mm           Ceneral date           Sandards         DN EN 81076-2-104 (M8)           Pollution Degree         3           Temperature range         -25x85 °C, depending on cable quality           Cables         Cables           Cable (dentification)         211           Cable (abore)         UL (AWM-Syle 2464/1731), CSA           Cable weight (gm)         34.76           Motheral (wire)         Cu view, barre           Resistor (core)         max.79 QMm (20 °C)           Single wire 0 (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 × 0.25 mm (20 °C)           AWG         similar to AWG 24           Material property (wire isolation)         PVC           Material property (wire isolation)         PVC           Muscrial property (wire isolation)         45 ± 5 D           Wire Orn Lisolation         1.25 mm ±5%           Coloriumurbaring of wires         br, bk, bl, wh           Standing combination         4 wires twisted           Shore hardness (gacket)         8.5 ± A           Outer (Ø) (jacket)         CPC, cadmisum, silicone and lead-free           Since har	Locking material	Zinc die casting, matte nickel plated
Sendards	Material	PUR
Slamdards         DN EN 61076-2-104 (M8)           Pollution Degree         3           Temperature range         -25485°C. depending on cable quality           Cable identification         211           Cable identification         21 (PC)           Cable Type         1 (PC)           Approval (cable)         UL (AWM Sylo 24641731), CSA           Cable weight (gm)         34.76           Mallaterial wire)         Co. wire, bare           Resistor (core)         max. 79 Dum (20°C)           Single wire Q (core)         0.15 mm           Construction (core)         14-0.15 mm (mulli strand wire class 5)           Diameter (core)         4-0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PVC           Material (wire isolation)         CFC, cadmium., silicone- and lead-free           Shore hardness (wire isolation)         4.5 ED mt ±5%           Collor-humbering of wires         br, br, br, wh           Stranding property (wire isolation)         PVC           Material (glocket)         PVC           Material (glocket)         PVC           Material (glocket)         PVC           Material (glocket)         26-C, cadmium., silicone- and lead-free <th< td=""><td>suitable for corrugated tube (internal Ø)</td><td>6.5 mm</td></th<>	suitable for corrugated tube (internal Ø)	6.5 mm
Pollution Degree         3           Temperature range         25485 °C, depending on cable quality           Cables         Cables           Cable identification         211           Cable Type         1 (PVC)           Approval (cable)         UL (AWM-Style 24641731), CSA           Cable weight [gm]         34,76           Material (wire)         Co wire, bare           Resistor (core)         max. 79 (0xm (20°C)           Single wire of (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 × 0.25 mm²           AWG         similar to AWC 24           Material property (wire isolation)         PVC           Material property (wire isolation)         PVC           Shore hardrose (vire isolation)         45 ± D           Wire-O Incl. isolation         1.25 mm ±5%           Coloriumbering of wires         br. incl. isolation           1 1.25 mm ±5%         Coloriumbering of wires           Shield         no           Material property (gacket)         4 ½ mm ±5%           Coloriumbering of wires         br. incl. in	General data	
Cables         2588 °C. depending on cable quality           Cable Semilication         211           Cable Type         1 (PVC)           Approval (cable)         UL (AWM Style 2464/1731), CSA           Cable weight (gm)         34.76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/km (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diamoter (core)         4 × 0.25 mm²           AWG         similar to AWG 24           Material givin isolation)         PVC           Material givin isolation)         45 ± 50           Wire Ø Incl. isolation         1.25 mm ±5%           Coloriunumbering of wires         br. bk, bt, wh           Stranding combination         4 wires twisted           Shore hardness (jacke)         PVC           Material property (jacker)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacker)         PVC           Material property (jacker)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacker)         pus           Color (jacker)         pus           Memicra (resistance)         good resistance to oil, gasoline and	Standards	DIN EN 61076-2-104 (M8)
Cables         2588 °C. depending on cable quality           Cable Semilication         211           Cable Type         1 (PVC)           Approval (cable)         UL (AWM Style 2464/1731), CSA           Cable weight (gm)         34.76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/km (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diamoter (core)         4 × 0.25 mm²           AWG         similar to AWG 24           Material givin isolation)         PVC           Material givin isolation)         45 ± 50           Wire Ø Incl. isolation         1.25 mm ±5%           Coloriunumbering of wires         br. bk, bt, wh           Stranding combination         4 wires twisted           Shore hardness (jacke)         PVC           Material property (jacker)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacker)         PVC           Material property (jacker)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacker)         pus           Color (jacker)         pus           Memicra (resistance)         good resistance to oil, gasoline and	Pollution Degree	3
Cable identification         211           Cable Type         1 (PVC)           Approval (cable)         UL (AWM-Syte 2484/1731), CSA           Cable weight (gm)         34.76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 (Akm (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14+ 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 × 0.25 mm²           AWG         smillar to AWG 24           Material (wire isolation)         PVC           Material property (wire isolation)         CPC, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         1.25 mm ±5%           Color numbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Shore hardness (jacket)         PVC           Material property (jacket)         CPC, cadmium-, silicone- and lead-free           Shore hardness (jacket)         Bs ± 5 A           Outer-Ø (jacket)         gray           Other (jacket)         gray           Orber (jacket)         gray           Orber (jacket)         gray           Orber (jacket)         gray           No. Jacket (Color)	Temperature range	-25+85 °C, depending on cable quality
Cable Type         1 (PVC)           Approval (cable)         UL (AWM-Style 2464/1731), CSA           Cable weight [gim]         34,76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PVC           Miterial property (wire isolation)         45 ±5 D           Wire-Olin. isolation         1.25 mm ±5%           Coloniumbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Shore hardness (wire isolation)         PVC           Material property (sick solation)         4 % 12.5 mm ±5%           Coloniumbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Shore hardness (jacket)         PVC           Material property (jacket)         CFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free <tr< td=""><td>Cables</td><td></td></tr<>	Cables	
Cable Type         1 (PVC)           Approval (cable)         UL (AWM-Style 2464/1731), CSA           Cable weight [gim]         34,76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ωkm (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PVC           Miterial property (wire isolation)         45 ±5 D           Wire-Olin. isolation         1.25 mm ±5%           Coloniumbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Shore hardness (wire isolation)         PVC           Material property (sick solation)         4 % 12.5 mm ±5%           Coloniumbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Shore hardness (jacket)         PVC           Material property (jacket)         CFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free           Shore hardness (jacket)         GFC- cadmium-, silicone- and lead-free <tr< td=""><td>Cable identification</td><td>211</td></tr<>	Cable identification	211
Approval (cable)         UL (AWM Sple 2464/1731), CSA           Cable weight [kim²]         34,76           Resistor (core)         max. 79 Dkm (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 × 0.25 mm²           AWG         smillar to AWG 24           Material (wire isolation)         PVC           Material (wire isolation)         PCC           Shore hardness (wire isolation)         45 ± 5 D           Wire Ølont, isolation         1.25 mm ±5%           Colorinumbering of wires         br. bk. bi. wh           Strading combination         4 wires twisted           Shield         no           Material (poket)         CFC, cadmium, silicone- and lead-free           Shore hardness (gaket)         85 ± 5 A           Outer-Ø (jacket)         48 mm ± 5%           Outer-Ø (jacket)         48 mm ± 5%           Outer-Ø (jacket)         49 mm ± 5%           Outer-Ø (jacket)         10 mm ± stardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         580 °C           Tem		
Cable weight [g/m]         34,76           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/km (20 °C)           Single wire Ø (ocre)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 × 0.25 mm²           AWOG         similar to AWG 24           Material (wire isolation)         PVC           Material (wire isolation)         CFC-, cadmium., silicone- and lead-free           Shore hardness (wire isolation)         45 ± 5 D           Wire-Ø incl. isolation         1,25 mm ±5%           Color/inumbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material property (jacket)         CFC-, cadmium., silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Cotor (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VWI / CSA FT1           Nominal voltage         UL 300 V AC           Temperature range (fixed)         -3080 °C           Bend radius (moving) <td></td> <td></td>		
Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/m (20 °C)           Single wire Ø (core)         0.15 mm           Construction (core)         14 x 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 x 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PVC           Material property (wire isolation)         CFC-, cadmium., silicone- and lead-free           Shore hardness (wire isolation)         45 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Coloriumbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material (jacket)         PVC           Material (jacket)         CFC-, cadmium., silicone- and lead-free           Shree hardness (jacket)         85 ±5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         good resistance to oil, gasoline and chemicals           thermal resistance         guert resistance           Nominal voltage         UL 300 V AC           Terruptature range (fixed		
Resistor (core)         max. 79 Ωkm (20 °C)           Single wie Ø (core)         0.15 mm           Construction (core)         14× 0.15 mm (multi-strand wire class 5)           Diameter (core)         4× 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         45 ± D           Wire-Ø Incl. isolation         1.25 mm ±5%           Color/mubering of wires         br. bk, bl, wh           Stranding combination         4 wires twisted           Streading combination         4 vires twisted           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Stranding combination         4 wires twisted           Stranding combination         4 wires twisted           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Stranding combination         4 mm ±5%           Color (jacket)         85 ± 5 A           Outer-Ø (jacket)         85 ± 5 A           Outer-Ø (jacket)         9 mm ±5%           Color (jacket)         10 mm ±5 witer (jacket)           Step (sale)         10 mm ±5 witer (jacket)           Webmind (jack	Material (wire)	
Single wire Ø (core)         0.15 mm           Construction (core)         14 × 0.15 mm (multi-strand wire class 5)           Diameter (core)         4 x 0.25 mm²           AWG         similar to AWG 24           Material property (wire isolation)         PVC           Material property (wire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         45 ± 5 D           Wire-Ø Incl. isolation         1.25 mm ±5%           Color/inumbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           Chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 098-4           Temperature range (fixed)         30480 °C           Bend radius (fixed)         5480 °C           Bend radius (fixed)         PVC (pr. wh, bl, bk)	Resistor (core)	
Construction (core)         14 x 0.15 mm (multi-strand wire class 5)           Diameter (core)         4x 0.25 mm²           AWG         similar to AWG 24           Material (vire isolation)         PVC           Material property (vire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         4.5 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Cotor/mumbering of wires         br, bk, bl, wh           Stranding combination         4 wires wisted           Shield         no           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         4.8 mm ±5%           Color (jacket)         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298 4           Temperature range (fixed)         3080 °C           Bend radius (fixed)         5 × outer Ø           Bend radius (fixed)         5 × outer Ø           Bend radius (mixing)         10× outer Ø           Wi		0.15 mm
Diameter (core)         4 x 0.25 mm²           AWG         similar to AWG 24           Material (wire isolation)         PVC           Material property (wire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         45 ±5 D           Wire-O incl. Isolation         1.25 mm ±5%           Color/mumbering of wires         br. Dk. Dt. Wh           Stranding combination         4 wires twisted           Stranding combination         4 wires twisted           Stranding combination         0           Material property (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ±5 A           Outer-O (jacket)         4.8 mm ±5%           Cotor (jacket)         gray           chemical resistance         fame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Temperature range (fixed)         -30+80 °C           Bend radius (fixed)         5+80 °C           Bend radius (fixed)         5+80 °C           Bend radius (moving)         10. outer Ø           Wire isolation         PVC (UL/CSA)      <		14× 0.15 mm (multi-strand wire class 5)
Material (wire isolation)         PVC           Material property (wire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         45 ± 5 D           Wire-Ø incl. Isolation         1.25 mm ±5%           Colorinumbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         Idame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Bendr adius (fixed)         5+80 °C           Bendr adius (moving)         10 × outer Ø           No.diameter of wires         4 × 0.25 mm²           Wire isolation         PVC (br. wh, bl. bk)           Jacket Color         gray           Material (jacket) <th< td=""><td>Diameter (core)</td><td></td></th<>	Diameter (core)	
Material property (wire isolation)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         45 ± 5 D           Wire-Øincl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shranding combination         PVC           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           cohernical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -50+80 °C           Bend radius (fixed)         5 × outer Ø           Bend radius (fixed)         5 × outer Ø           No./diameter of wires         4 × 0.25 mm²           Wire isolation         PVC (br. wh. bl. bk)           Jacket Color         gray           Material (jacket)         PVC (ULCSA)           Outer Ø	AWG	similar to AWG 24
Shore hardness (wire isolation)         45 ± 5 D           Wire-O incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Sheild         no           Material (jacket)         PVC           Material property (jacket)         CPC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-O (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         30+80 °C           Temperature range (mobile)         5+80 °C           Bendr radius (fixed)         5 x outer Ø           Bendr radius (fixed)         5 x outer Ø           No./diameter of wires         4 x 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           <	Material (wire isolation)	PVC
Wire-Øincl. isolation         1.25 mm ±5%           Cotor/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ±5 A           Outer-Ø (jacket)         4.8 mm ±5%           Cotor (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30480 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (U/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving	Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           Cohemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         30+80 °C           Temperature range (mobile)         5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         30+80 °C	Shore hardness (wire isolation)	45 ±5 D
Stranding combination         4 wires twisted           Shield         no           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           Chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         5+80 °C           Bend radius (fixed)         5+80 °C           Bend radius (moving)         10 × outer Ø           No./diameter of wires         4 × 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10 × outer Ø           Temperature range (fixed)         -30+80 °C	Wire-Ø incl. isolation	1.25 mm ±5%
Shield         no           Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ± 5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         30+80 °C           Temperature range (mobile)         5+80 °C           Bend radius (fixed)         5+80 °C           Bend radius (moving)         10 × outer Ø           No./diameter of wires         4 × 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10 × outer Ø           Temperature range (fixed)         30+80 °C	Color/numbering of wires	br, bk, bl, wh
Material (jacket)         PVC           Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ±5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5 outer Ø           No./diameter of wires         4 × 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10 × outer Ø           Bend radius (moving)         10 × outer Ø           Femperature range (fixed)         30+80 °C	Stranding combination	4 wires twisted
Material property (jacket)         CFC-, cadmium-, silicone- and lead-free           Shore hardness (jacket)         85 ±5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br. wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Eend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Shield	no
Shore hardness (jacket)         85 ± 5 A           Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Material (jacket)	PVC
Outer-Ø (jacket)         4.8 mm ±5%           Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         5× outer Ø           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Material property (jacket)	CFC-, cadmium-, silicone- and lead-free
Color (jacket)         gray           chemical resistance         good resistance to oil, gasoline and chemicals           thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Shore hardness (jacket)	85 ±5 A
chemical resistance good resistance to oil, gasoline and chemicals thermal resistance flame retardant UL 1581 VW1 / CSA FT1  Nominal voltage UL 300 V AC  Test voltage 2000 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -30+80 °C  Temperature range (mobile) -5+80 °C  Bend radius (fixed) 5× outer Ø  Bend radius (moving) 10× outer Ø  No./diameter of wires 4× 0.25 mm²  Wire isolation PVC (br, wh, bl, bk)  Jacket Color gray  Material (jacket) PVC (UL/CSA)  Outer Ø 4.8 mm ±5%  Bend radius (moving) 10× outer Ø  Temperature range (fixed) -30+80 °C	Outer-Ø (jacket)	4.8 mm ±5%
thermal resistance         flame retardant UL 1581 VW1 / CSA FT1           Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Color (jacket)	gray
Nominal voltage         UL 300 V AC           Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	chemical resistance	good resistance to oil, gasoline and chemicals
Test voltage         2000 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -30+80 °C           Temperature range (mobile)         -5+80 °C           Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Nominal voltage	UL 300 V AC
Temperature range (fixed) -30+80 °C  Temperature range (mobile) -5+80 °C  Bend radius (fixed) 5× outer Ø  Bend radius (moving) 10× outer Ø  No./diameter of wires 4× 0.25 mm²  Wire isolation PVC (br, wh, bl, bk)  Jacket Color gray  Material (jacket) PVC (UL/CSA)  Outer Ø 4.8 mm ±5%  Bend radius (moving) 10× outer Ø  Temperature range (fixed) -30+80 °C	Test voltage	2000 V AC
Temperature range (mobile)  5+80 °C  Bend radius (fixed)  5× outer Ø  10× outer Ø  No./diameter of wires  4× 0.25 mm²  Wire isolation  PVC (br, wh, bl, bk)  Jacket Color  Material (jacket)  PVC (UL/CSA)  Outer Ø  4.8 mm ±5%  Bend radius (moving)  10× outer Ø  Temperature range (fixed)  -30+80 °C	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed)         5× outer Ø           Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Temperature range (fixed)	-30+80 °C
Bend radius (moving)         10× outer Ø           No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Temperature range (mobile)	-5+80 °C
No./diameter of wires         4× 0.25 mm²           Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Bend radius (fixed)	5× outer Ø
Wire isolation         PVC (br, wh, bl, bk)           Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Bend radius (moving)	10× outer Ø
Jacket Color         gray           Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	No./diameter of wires	4× 0.25 mm²
Material (jacket)         PVC (UL/CSA)           Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Wire isolation	PVC (br, wh, bl, bk)
Outer Ø         4.8 mm ±5%           Bend radius (moving)         10× outer Ø           Temperature range (fixed)         -30+80 °C	Jacket Color	gray
Bend radius (moving) 10× outer Ø  Temperature range (fixed) -30+80 °C	Material (jacket)	PVC (UL/CSA)
Temperature range (fixed) -30+80 °C	Outer Ø	4.8 mm ±5%
	Bend radius (moving)	10× outer Ø
Temperature range (mobile) -5+80 °C	Temperature range (fixed)	-30+80 °C
	Temperature range (mobile)	-5+80 °C

The information in this brochure has been compiled with the utmost care.

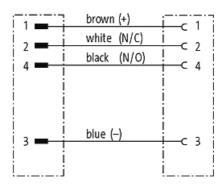
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Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879125680
eClass	27279218
Packaging unit	1
Sketch	

## 25 M8×1



Male

Female





Product may differ from Image