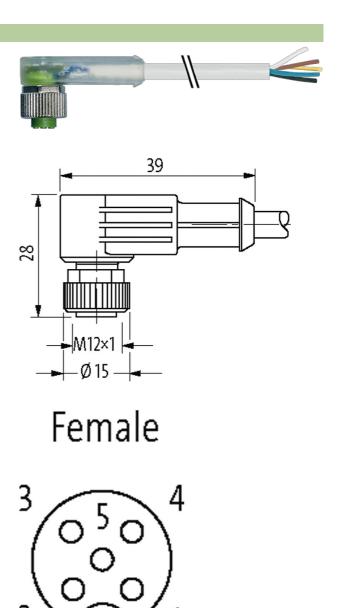


## M12 female 90° with cable LED

PUR 5x0.34 gy UL/CSA 50m

Female 90° M12, 5-pole 3× LED (PNP) 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.

Illustration



Product may differ from Image

Approvals

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: 10/20



\* c(Ų US Listed

\* only for products with UL/CSA approved cable

cCSAus

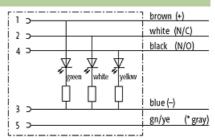
Material property (jacket)resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	n	
No.diameter of wires       5x 0.34 mm²         Wire isolation       PVC (br, wh, bl, bk, gnye)         C.track properties       2 Mio.         Material (jacket)       PURPVC (ULCSA)         Outer Ø       5.9 mm ±5%         Bend radius (moving)       15x outer Ø         Temperature range (mobile)       -30+80 °C         Cabie identification       225         Cabie identification       225         Cabie identification       225         Cabie velget [gm]       54.78         Material (wire)       Cu wire, bare         Cabie velget [gm]       54.78         Material (wire)       Cu wire, bare         Construction (core)       max.57 0.8m (20 °C)         Single wire Ø (core)       0.1 mm         Diameter (core)       5x 0.34 mm²         AWG       similar to AWG 22         Material property (wire isolation)       43 ±5 D         Wire-Ø incl. isolation       1.25 mm ±5%         Colorhumbering of wires       br. bk, bw, gnye longitudinally striped         Stranding combination       5 wires wisted around certral filter         Shoid       no         Material property (jacket)       PUR-PVC		12441
Wire isolation       PVC (br, wh, bl, bk, grye)         C-track properties       2 Mio.         Material ((acket)       PURPVC (ULCSA)         Outer Ø       5.9 mm ±5%         Bend radius (moving)       15.x outer Ø         Temperature range (fixed)       -30+80 °C         Cable identification       225         Cable identification       225         Cable identification       225         Cable identification       225         Cable weight (g/m)       64,78         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)       5 × 0.34 mm²         AWG       similar to AWG 22         Material (wire isolation)       PVC         Material (wire isolation)       CFC-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       43 ± 5 D         Wife-Q incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl, wh, grye longitudinally striped         Stranding combination       5 wires twisted around central filler	les	
C-track properties       2 Mio.         Material (jacket)       PURPVC (ULCSA)         Outer Ø       5.9 mm ±5%         Bend radius (moving)       15 × outer Ø         Temperature range (fixed)       -30+80 °C         Cable identification       225         Cable fulfication       225         Cable weight [g/m]       54.78         Material (wire)       Cu wire, bare         Resistor (core)       max. 57 Q.Km (20 °C)         Single wire 0 (core)       0.1 mm         Construction (core)       42 × 0.1 mm (multi-strand wire class 6)         Diameter (core)       5.0 3.4 mm²         MWG       similar to AWG 22         Material (wire isolation)       PVC         Material (wire isolation)       1.25 mm ±5%         Colorhumbaing of wires       br.bk, bl, wh, grup tongitudinally stri	liameter of wires	5× 0.34 mm²
C-track properties       2 Mio.         Material (jacket)       PURPVC (ULCSA)         Outer Ø       5.9 mm ±5%         Bend radius (moving)       15 × outer Ø         Temperature range (fixed)       -30+80 °C         Cable identification       225         Cable fulfication       225         Cable weight [g/m]       54.78         Material (wire)       Cu wire, bare         Resistor (core)       max. 57 Q.Km (20 °C)         Single wire 0 (core)       0.1 mm         Construction (core)       42 × 0.1 mm (multi-strand wire class 6)         Diameter (core)       5.0 3.4 mm²         MWG       similar to AWG 22         Material (wire isolation)       PVC         Material (wire isolation)       1.25 mm ±5%         Colorhumbaing of wires       br.bk, bl, wh, grup tongitudinally stri	isolation	PVC (br, wh, bl, bk, gnye)
Material (jacket)       PUR.PVC (UL/CSA)         Outer Ø       5.9 mm ±5%         Bend radius (moving)       15× outer Ø         Temperature range (fixed)       -30+80 °C         Cable identification       225         Cable wight [g/m]       54.78         Material (wire)       CL 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)       5× 0.34 mm²         AWG       similar to AWG 22         Material (wire isolation)       PVC         Material (wire isolation)       CFC-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       43 ± 5 D         Vire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, br, bi, wh, gnye longitudinally st	ck properties	
Outer Ø       5.9 mm ±5%         Bend radius (moving)       15× outer Ø         Temperature range (fixed)       -30480 °C         Temperature range (mobile)       -5480 °C         Cable identification       225         Cable identification       225         Cable weight [g/m]       54.78         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)       5x 0.34 mm²         AWG       similar to AWG 22         Material (wire isolation)       PVC         Material (wire isolation)       PVC         Material (wire isolation)       PVC         Material (wire isolation)       PVC         Material (wire isolation)       CFC-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       125 km ±5%         Color/numbering of wires       br, br, br, bw, in, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant         Shore hardness (jacket)       PUR/PVC         Material property (jacket)       CFC-, halogen-, cadmium-, sili		PUR/PVC (UL/CSA)
Temporature range (fixed)     -30+80 °C       Temperature range (mobile)     -5+80 °C       Cable identification     225       Cable identification     225       Cable vight (gm)     54.78       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)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material (wire isolation)     PVC       Material (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     1.25 mm ±5%       Colorinumbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires wisted around central filler       Shield     no       Material (acket)     PUR/VC       Material (acket)     PUR/VC       Material (acket)     Stranding combination       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     C9 m ±5%       Color(iumbering of wires	• •	5.9 mm ±5%
Temperature range (mobile)     -5+80 °C       Cable identification     225       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     54.78       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)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material roperty (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires Wisted around central filler       Shield     no       Material (acket)     PUR/PVC       Material igacket)     S0 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     S-9 mm ±5%       Color/numbering of wires     Sur A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%	l radius (moving)	15× outer Ø
Cable identification       225         Gable Type       2 (PUR/PVC)         Approval (cable)       UL (AWM-Style 20549/1731), CSA; CE conform         Cable weight [g/m]       54,78         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)       5×0.34 mm²         AWG       similar to AWG 22         Material (wire isolation)       PVC         Material property (wire isolation)       CFC, cadmium, silicone- and lead-free         Shore hardness (wire isolation)       43 ±5 D         Wire-Ø incl. isolation       1.25 mm ±5%         Colorinumbering of wires       br, bk, bl, wh, gnye longitudinally striped         Stranding combination       5 wires twisted around central filler         Shield       no         Material (jacket)       PUR/PVC         Material (property (jacket)       60 ±5.4 (PVC-under jacket): 85 ±5.4 (PUR-jacket)         Outer-Ø (jacket)       90 ±5.4 (PVC-under jacket): 85 ±5.4 (PUR-jacket)         Outer-Ø (jacket)       5.9 mm ±5%         Color (jacket)       69 ±5.4 (PVC-under jacket):		-30+80 °C
Cable Type       2 (PUR/PVC)         Approval (cable)       UL (AWM-Style 20549/1731), CSA; CE conform         Cable weight [g/m]       54,78         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)       5 × 0.34 mm²         AWG       similar to AWG 22         Material (wire isolation)       PVC         Material property (wire isolation)       CFC-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       43 ± 5 D         Wire-Øincl. isolation       1.25 mm ±5%         Colorinumbering of wires       br, bk, bl, wh, gnye longitudinally striped         Stranding combination       5 wires twisted around central filler         Shield       no         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant         Shore hardness (jacket)       PUR/PVC         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant         S	perature range (mobile)	-5+80 °C
Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     54.78       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)     5 × 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Colori/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     B0 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-Jacket)       Outer-Ø (jacket)     5.9 mm ± 5%       Color (jacket)     5.9 mm ± 5%       Color (jacket)     5.9 mm ± 5%       Color (jacket)	e identification	225
Cable weight [g/m]     54,78       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)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ±5 D       Wire-Øincl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     5.9 mm ±5%	е Туре	2 (PUR/PVC)
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)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ±5 D       Wire-Øincl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     5.9 mm ±5%	oval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ±5 D       Wire-Øincl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4		
Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     5× 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	rial (wire)	Cu wire, bare
Construction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)43 ±5 DWire-Q incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial (jacket)PUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, mat, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Q (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	stor (core)	max. 57 Ω/km (20 °C)
Diameter (core)     5 × 0.34 mm²       AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ± 5 D       Wire-Q incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Q (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	e wire Ø (core)	0.1 mm
AWG     similar to AWG 22       Material (wire isolation)     PVC       Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/humbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	struction (core)	42× 0.1 mm (multi-strand wire class 6)
Material (wire isolation)       PVC         Material property (wire isolation)       CFC-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       43 ±5 D         Wire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl, wh, gnye longitudinally striped         Stranding combination       5 wires twisted around central filler         Shield       no         Material (jacket)       PUR/PVC         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant         Shore hardness (jacket)       80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)         Outer-Ø (jacket)       5.9 mm ±5%         Color (jacket)       gray         chemical resistance       good resistance to oil, gasoline and chemicals         Nominal voltage       UL 300 V AC         Test voltage       2000 V AC         Current load capacity       to DIN VDE 0298-4	leter (core)	5× 0.34 mm <sup>2</sup>
Material property (wire isolation)     CFC-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material property (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	 i	similar to AWG 22
Shore hardness (wire isolation)43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial (jacket)PUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	rial (wire isolation)	PVC
Wire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial (jacket)PUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	rial property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial (jacket)PUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	e hardness (wire isolation)	43 ±5 D
Stranding combination     5 wires twisted around central filler       Shield     no       Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrass resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	Ø incl. isolation	1.25 mm ±5%
ShieldnoMaterial (jacket)PUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistantShore hardness (jacket)80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	r/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Material (jacket)     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	iding combination	5 wires twisted around central filler
Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abras resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	d	no
Material property (jacket)     resistant, hydrolysis and microbial resistant       Shore hardness (jacket)     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.9 mm ±5%       Color (jacket)     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC       Current load capacity     to DIN VDE 0298-4	rial (jacket)	PUR/PVC
Outer-Ø (jacket)5.9 mm ±5%Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	rial property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Color (jacket)graychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4	e hardness (jacket)	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Test voltage   2000 V AC     Current load capacity   to DIN VDE 0298-4	r-Ø (jacket)	5.9 mm ±5%
Nominal voltage   UL 300 V AC     Test voltage   2000 V AC     Current load capacity   to DIN VDE 0298-4	r (jacket)	gray
Test voltage   2000 V AC     Current load capacity   to DIN VDE 0298-4	lical resistance	good resistance to oil, gasoline and chemicals
Current load capacity to DIN VDE 0298-4	nal voltage	UL 300 V AC
	voltage	2000 V AC
	ent load capacity	to DIN VDE 0298-4
Temperature range (fixed) -30+80 °C	perature range (fixed)	-30+80 °C
Temperature range (mobile)   -5+80 °C	perature range (mobile)	-5+80 °C
Bend radius (fixed) 10× outer Ø	radius (fixed)	10× outer Ø
Bend radius (moving)   15× outer Ø	radius (moving)	15× outer Ø
No. of bending cycles (C-track) max. 2 Mio. (25 °C)	f bending cycles (C-track)	max. 2 Mio. (25 °C)
Traversing distance (C-track) max. 5 m (horizontal)	ersing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track) max. 3.3 m/s	I speed (C-track)	max. 3.3 m/s
Acceleration (C-track) max. 5 m/s <sup>2</sup>	leration (C-track)	max. 5 m/s <sup>2</sup>
Jacket Color gray	et Color	gray

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: 10/20



stay connected

Technical Data	
Operating voltage	24 V DC ±25%
Operating voltage (only UL listed)	max. 30 V DC
Operating current per contact	max. 4 A
Rated surge voltage	0.8 kV
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2) port 14
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, nickel-plated
Material	PUR
suitable for corrugated tube (internal $\mathcal{O}$ )	10 mm
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25+85 °C, depending on cable quality
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879317009
eClass	27279218
Packaging unit	1
Sketch	



(\* for cable type 126, 732, 219, 619)

Product may differ from Image