

## M12 MALE 0° / M12 FEMALE 90° LED

PUR 3X0.34 YELLOW, ROBOT, drag ch 0.6m

Male straight – female 90° M12 – M12, 3-pole

2× LED (PNP), (NPN) on request

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

Plastic housings with good resistance against chemicals and oils.

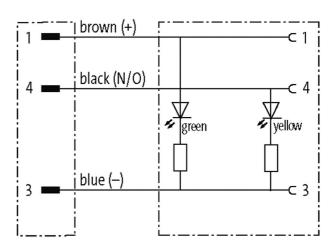
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

### **Link to Product**

### Illustration





Product may differ from Image

### **Approvals**



\* only for products with UL/CSA approved cable

cCSAus

40321
24 V DC ±25%
max. 30 V DC
max. 4 A
IEC 60664-1, category I
(yellow/green)
Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
M12 (SW13)

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



Locking material         Zinc die casting, matte nickel plated           Material         PUR           Sessibate for corrugated tube (internal 6)         10 mm           Central disa         Sundandrs         DIN EN 61076-2-101 (Mrt 2)           Pollution Degroe         3         3 method (Mrt 2)           Cables         Sundandrs         3 - 0.34 mm²           With solution         PP (Er, bl. bb)           C-Track properties         10 Mo.           Mine ballosion         PP (Er, bl. bb)           C-Track properties         10 Mo.           Mine ballosion         PP (Er, bl. bb)           C-Track properties         10 Mo.           Markerial (jacket)         PUR (LUCSA), weelding spank           Outer 2         4,3 mm 55%           Bean dadular (moving)         10 v. cuter 2           Temperature range (mostile)         45 mm 55%           Cable identification         058           Cable identification         058           Cable identification         058           Cable identification         058           Cable weight (jar)         29.70           Material (wire)         0 UR (wire, barrell flux weight (selection)           Cable weight (jar)         29.70	Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Suitable for corrugated tube (internal 0)         10 mm           Concent data           Sanadards         DN EN 61076-2-101 (M12)           Pollution Degree         3           Temperature range         2585 °C, depending on cable quality           Cables           Wire isolation         PP (Dr. Dl. DR)           Wire isolation         PP (Dr. Dl. DR)           Chack properties         10 Min.           Material (packet)         4.0 Min.           Material (packet)         4.3 mm 15%           Cuber O         4.3 mm 15%           Beal radius (moving)         10 vour O           Temperature range (fixed)         4.080 °C           Temperature range (fixed)         4.080 °C           Cability (moving)         5 (PUR schwei/Burkenbeständig)           Cability (page)         5 (PUR schwei/Burkenbeständig)           Cability (page)         5 (PUR schwei/Burkenbeständig)           Cability (wire)         5 (PUR schwei/Burkenbeständig)           Cability (wire	Locking material	Zinc die casting, matte nickel plated
General data         Din End 61076 2-101 (M12)           Slandards         DN End 61076 2-101 (M12)           Pollution Degree         3           Tamperature range         -25485 °C, depending on cable quality           Value         Tamperature range           Vox. Slandard or Wires         3 × 0.34 mm²           Wire Isolation         PP 0r. Dl. Nb,           C-track properties         10 Mio.           Material (glocker)         PLRI (ULCSA), welding spank           Cuter Ø         4.3 mm 5%           Bend radius (moving)         10 × outer Ø           Femperature range (fixed)         -40480 °C           Tamperature range (fixed)         -50480 °C           Cable iosnification         03           Resistor (core)         0.1 mm           Resistor (core)         0.1 mm           Resistor (core)         0.1 mm           Resistor (core)         3 × 0.34 mm²           AWG         similar to AWG 22	Material	PUR
Standards         DN EN 610762-101 (M12)           Pollution Degree         3           Temperature range         25-48° C, depending on cable quality           Cabbs         Processor           No. diameter of wires         3 × 0.34 mm²           No. diameter of wires         3 × 0.34 mm²           Wire isolation         PP Bur, Ibl. Ibl.           Care A cabbs         PUR (ULCSA), welding spark           Outer Ø         4.3 mm ±5%           Bend radius (moving)         10 × 000° C           Temperature range (fixed)         40 - 480 ° C           Temperature range (mobile)         25 - 80 ° C           Cable identification         053           Cable Type         5 (PUR schweißtunkenbeständig)           Approval (abbie)         c (PUR schweißtunkenbeständig)           Billingter (orbe)         0.1 mm         mm ± 60 Mm (20° C)           <	suitable for corrugated tube (internal Ø)	10 mm
Pollution Degree         3           Temperature range         25485 °C, depending on cable quality           Cables           Wine Isolation         PP (br. bl. bk)           O-track properties         10 Mio.           Material (jacket)         PUR (ULCSA), welding spark           Outer Ø         4.3 mm ±5%           Bend radius (mowling)         10 × outer Ø           Temperature range (fixed)         4080 °C           Temperature range (mobile)         2580 °C           Cable identification         053           Cable identification         053           Cable identification         053           Cable identification         059           Cable (apperting im)         29.70           Material (wire)         Culvire, bare           Resistor (ore)         max. 60 Okm (20 °C)           Material (wire)         Cu wire, bare           Resistor (ore)         max. 60 Okm (20 °C)           Diamater (core)         42 × 0.1 mm (multi-strand wire class 6)           Diamater (core)         3 · 0.24 mm²           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         1.25 mm ±5%           Color (material (	General data	
Pollution Degree         3           Temperature range         25485 °C, depending on cable quality           Cables           Wine Isolation         PP (br. bl. bk)           O-track properties         10 Mio.           Material (jacket)         PUR (ULCSA), welding spark           Outer Ø         4.3 mm ±5%           Bend radius (mowling)         10 × outer Ø           Temperature range (fixed)         4080 °C           Temperature range (mobile)         2580 °C           Cable identification         053           Cable identification         053           Cable identification         053           Cable identification         059           Cable (apperting im)         29.70           Material (wire)         Culvire, bare           Resistor (ore)         max. 60 Okm (20 °C)           Material (wire)         Cu wire, bare           Resistor (ore)         max. 60 Okm (20 °C)           Diamater (core)         42 × 0.1 mm (multi-strand wire class 6)           Diamater (core)         3 · 0.24 mm²           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         1.25 mm ±5%           Color (material (	Standards	DIN EN 61076-2-101 (M12)
Temperatura range	-	
Cables         No. Jilameter of wires         3 × 0.34 mm²           Wire isolation         PP (tr., bl., bk)           Crack properties         10 Mio.           Material (jacket)         PUR (ULCSA), welding spark           Outer Ø         4.3 mm. ±5%           Beand radius (mowing)         10 × outer Ø           Temperature range (fixed)         -40.~80 °C           Temperature range (mobile)         -25.~80 °C           Cable identification         53           Cable (applied)         -5 °PUR schweißlunkenbesländig)           Approval (cable)         ∪Rus (MWM-Style 20549/10433); CE conform           Cable weight [jm]         29.70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 D/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (mulli schand wire class 6)           Diameter (core)         3 × 0.34 mm²           AVYG         similar to AWG 22           Material property (wire isolation)         PP           Material property (wire isolation)         PC C. halogen . cadmium . silicone- and lead-free . mat. low-achtesion, machine easy to process, abrasion- resistance           Wire Ø Incl. isolation         1.25 mm. ±5%           Color (jacket)		
No.diameter of wires         3 × 0.34 mm²           Wire isolation         PP (br. bl. bk)           C track properties         10 Mo.           Material (ackete)         PUR (ULCSA), welding spark           Outer Ø         4.3 mm ±5%           Bend radius (moving)         10 × outer Ø           Temperature range (fixed)         -4080 °C           Temperature range (mobile)         -2580 °C           Cable inflication         55           Cable inflication         55           Cable inflication         50           Cable inflight         28.70           Material (wire)         22.70           Residor (coro)         max. 60 Ωkm (20 °C)           Single wire Ø (coro)         0.1 mm           Construction (core)         42.6 0.1 mm (multi-strand wire class 6)           Diameter (core)         3x 0.34 mm²           AWG         imiliar for AWG 22           Material (wire isolation)         74.9 a.9           Material (wire isolation)         74.9 a.9           More Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br. bk. bl           Sharida (gowth)         6 CFC halogen, cadmium, silicone- and lead-free, nat. low-adhesion, machine easy to process, abrasion- resistant, bydrolysis, microbia		,, <b>3 3</b>
Wire isolation         PP (br., bl., bk)           Crtack properties         10 Mio.           Material (jacket)         PUR (ULCSA), welding spark           Cuter Ø         4.3 mm ±5%           Bond radius (moving)         10- outer Ø           Temperature range (fixed)         -40-±80 °C           Temperature range (mobile)         25±±80 °C           Cable identification         053           Cable Type         5 (PUR schweißturkenbeständig)           Approval (rabile)         ULPus (AWM-Style 20549r) 0493); CE conform           Cable weight (gim)         29:70           Material (wire)         Cu wire, bare           Cable (core)         0.1 mm           Construction (core)         42:±0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 0.34 mm²           AWO         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         PP.           Material (wire isolation)         74:±3 D           Wire- Ø incl. isolation         1.25 mm ±5%           Coloriumbering of wires         br. bk. bl           Stranding combination         3 wires twisted           Material (jacket)         PUR           Material (jacket)         P		2.024 mm²
C-track properties         10 Mio.           Material (gickel)         PUR (IU.CSA), welding spark           Outer Ø         4.3 mm 45%           Bend radius (moving)         10 - outer Ø           Temperature range (fixed)         4.0 - +80 °C           Temperature range (mobile)         - 25 +80 °C           Cabble identification         0.53           Cable Type         5 (PUR schweißtrukenbeständig)           Approval (cable)         CURUS (AWM-Style 20549/10493); CE conform           Cabb weight [gim]         29.70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 0 f/m (20 °C)           Material (wire)         Cu wire, bare           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           Allowine (wire isolation)         PP           Material (wire isolation)         CPC, halogen, cadmium, silicone- and lead-free           Material (wire isolation)         7 ± 3 D           Mitter-0 (mol. isolation         1.25 mm ±5%           Color/numbering of wires         br, bl, bl           Stranding combination         3 wires twisted           Straid of combination         3 wires twisted           Material (jacket)	-	
Material (jacket)         PUR (UL/CSA), welding spark           Outer Ø         4.3 mm ±5%           Bend radius (moving)         10 × outer Ø           Temperature range (fixed)         -4080 °C           Cabile (dentification         053           Cabile (dentification         054           Approval (cable)         cUR (AWM-Style 20549/10493); CE conform           Cabile Type         5 (PUR schweißfurkenbeständig)           Approval (cable)         cUR (AWM-Style 20549/10493); CE conform           Cabile vinger         CUR (Vir.) bare           Resistor (core)         max. 60 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         CFC -, halogen -, cadmium -, silicone- and load-free           Shore hardness (wire isolation)         7 4 ± 3 D           Wire Ø Incl. isolation         1,25 mm ±5%           Color/umbering of wires         br, bt, bl           Shraiding combination         3 wires Neisted           Shraiding Combination         3 wires Neisted           Color/umbe	-	
Outer Ø         4.3 mm ±5%           Bend radius (moving)         10 x outer Ø           Temperature range (fixed)         -40+80 °C           Temperature range (mobile)         -2560 °C           Cable identification         053           Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight (gim)         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 ΩMm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material property (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ± 3 D           Wire-Ø incl. isolation         1,25 mm ±5%           Coloriumbering of wires         br, bt, bl           Stranding combination         3 wires twisted           Shield         no           Material (jackel)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion		
Band radius (moving)         10 × outer Ø           Temperature range (fixed)         4080 ° C           Temperature range (mobile)         -25+80 ° C           Cable identification         053           Cable Type         5 (PUR schweißfurkenbeständig)           Approval (cable)         cURus (AWK-Syle 20549/10493); CE conform           Cable weight (gm)         29.70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Micro But, isolation         CFC, halogen, cadmium, silicone- and lead-free           Shore hardness (wire isolation)         7 ± ±3 D           Wire-Ø (incl. isolation         1.25 mm ±5%           Colorinumbering of wires         br, bk, bl           Stranding combination         3 wires wisted           Sherid property (facket)         CFC, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis , microbial- and welding spark resistant           Sherid property (facket)         58 ± 3 D		
Temperature range (inxed)         40+80 °C           Temperature range (mobile)         25+80 °C           Cable identification         053           Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         29.70           Material (wire)         Curwine, barre           Single wire O (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.3 4 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halpen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         7 ± 3 D           Wire-O Incl. isolation         1.25 mm ±5%           Colorihumbering of wires         br, bk, bl           Stranding combination         3 wires wisted           Ableid         no      <		
Temperature range (mobile)         25+80 °C           Cable identification         053           Cable identification         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Syle 20549/10493); CE conform           Cable weight [g/m]         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 80 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         PC (FC, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/umbering of wires         br, bk, bl           Shrading combination         3 wires twisted           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket)           Material property (jacket)         GFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, sibrasion-resistant property (jacket)           Shore hardness (jacket)         <		
Cable Identification         053           Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cuRus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-istrand wire class 6)           Diameter (core)         3× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material (wire isolation)         PP           Material (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Colorhumbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Material (jacket)         PUR           Material property (jacket)         CFC - halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         4.3 mm ±5%           Color (jacket)         4.3 mm ±5%		
Cable Type         5 (PUR schweißfunkenbeständig)           Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 0km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 - 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/mumbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shore hardness (packet)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         4.3 mm ±5%           Color (jacket)         4.3 mm ±6%		
Approval (cable)         cURus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/inumbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         PUR           Material property (jacket)         58 ±3 D           Cuter-Ø (jacket)         4,3 mm ±5%           Cuter-Ø (jacket)         9 ellow           chemical resistance         fame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2,		
Cable weight [g/m]         29,70           Material (wire)         Cu wire, bare           Resistor (core)         max. 60 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3× 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ± 3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ± 3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           chemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL., FT2, IEC 60332-1, IEC		
Material (wire)         Cu wire, bare           Resistor (core)         max. 60 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           Chemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL, FT2, IEC 60332-2-2, welding spark resistant           Nominal voltage		
Resistor (core)         max. 60 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         7 ± ± 3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and weldring spark resistant           Shore hardness (jacket)         58 ± 3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           Cherrical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL, FT2, IEC 60332-2-2, welding spark resistant           Nominal voltage         300 V AC           Test voltage	Cable weight [g/m]	29,70
Single wire Ø (core)         0.1 mm           Construction (core)         42 x 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           Chemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant           Nominal voltage         300 V AC           Test voltage         2500 V AC           Current load capacity <td>Material (wire)</td> <td>Cu wire, bare</td>	Material (wire)	Cu wire, bare
Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           Cherrical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant           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) <td>Resistor (core)</td> <td>max. 60 Ω/km (20 °C)</td>	Resistor (core)	max. 60 Ω/km (20 °C)
Diameter (core)         3x 0.34 mm²           AWG         similar to AWG 22           Material (wire isolation)         PP           Material property (wire isolation)         CFC-, halogen-, cadmium-, silicone- and lead-free           Shore hardness (wire isolation)         74 ±3 D           Wire-Ø incl. isolation         1.25 mm ±5%           Cotor/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material (jacket)         PUR           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant           Shore hardness (jacket)         58 ±3 D           Outer-Ø (jacket)         4.3 mm ±5%           Color (jacket)         yellow           chemical resistance         good resistance to oil, gasoline and chemicals (EN 60811-404)           thermal resistance         flame retardant UL, FTZ, IEC 60332-1, IEC 60332-2-2, welding spark resistant           Nominal voltage         300 V AC           Test voltage         2500 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (fixed)         -40+80 °C, (+90 °C at max. 10 000 operating hours)	Single wire Ø (core)	0.1 mm
AWG similar to AWG 22  Material (wire isolation) PP  Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free  Shore hardness (wire isolation) 74 ± 3 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  Shield no  Material (jacket) PUR  Material property (jacket) PUR  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket) 4.3 mm ±5%  Color (jacket) 4.3 mm ±5%  Color (jacket) yellow  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5x outer Ø	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Material (wire isolation)       PP         Material property (wire isolation)       CFC-, halogen-, cadmium-, silicone- and lead-free         Shore hardness (wire isolation)       74 ± 3 D         Wire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl         Stranding combination       3 wires twisted         Shield       no         Material (jacket)       PUR         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant         Shore hardness (jacket)       58 ± 3 D         Outer-Ø (jacket)       4.3 mm ±5%         Color (jacket)       yellow         chemical resistance       good resistance to oil, gasoline and chemicals (EN 60811-404)         thermal resistance       flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant         Nominal voltage       300 V AC         Test voltage       2500 V AC         Current load capacity       to DIN VDE 0298-4         Temperature range (fixed)       -40+80 °C, (+90 °C at max. 10 000 operating hours)         Temperature range (mobile)       -25+80 °C, (+90 °C at max. 10 000 operating hours)	Diameter (core)	3× 0.34 mm²
Material property (wire isolation)  CFC-, halogen-, cadmium-, silicone- and lead-free  Shore hardness (wire isolation)  74 ±3 D  Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  br, bk, bl  Stranding combination  3 wires twisted  Shield  no  Material (jacket)  PUR  Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket)  58 ±3 D  Outer-Ø (jacket)  4.3 mm ±5%  Color (jacket)  yellow  chemical resistance  good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance  flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage  300 V AC  Test voltage  2500 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile)  5× outer Ø	AWG	similar to AWG 22
Shore hardness (wire isolation) 74 ± 3 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  Shield no  Material (jacket) PUR  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket) 58 ± 3 D  Outer-Ø (jacket) 4.3 mm ±5%  Color (jacket) yellow  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) 4-0+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5× outer Ø	Material (wire isolation)	PP
Wire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl         Stranding combination       3 wires twisted         Shield       no         Material (jacket)       PUR         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant         Shore hardness (jacket)       58 ±3 D         Outer-Ø (jacket)       4.3 mm ±5%         Color (jacket)       yellow         chemical resistance       good resistance to oil, gasoline and chemicals (EN 60811-404)         thermal resistance       flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant         Nominal voltage       300 V AC         Test voltage       2500 V AC         Current load capacity       to DIN VDE 0298-4         Temperature range (fixed)       -40+80 °C, (+90 °C at max. 10 000 operating hours)         Temperature range (mobile)       -25+80 °C, (+90 °C at max. 10 000 operating hours)         Bend radius (fixed)       5× outer Ø	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires       br, bk, bl         Stranding combination       3 wires twisted         Shield       no         Material (jacket)       PUR         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant         Shore hardness (jacket)       58 ±3 D         Outer-Ø (jacket)       4.3 mm ±5%         Color (jacket)       yellow         chemical resistance       good resistance to oil, gasoline and chemicals (EN 60811-404)         thermal resistance       flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant         Nominal voltage       300 V AC         Test voltage       2500 V AC         Current load capacity       to DIN VDE 0298-4         Temperature range (fixed)       -40+80 °C, (+90 °C at max. 10 000 operating hours)         Temperature range (mobile)       -25+80 °C, (+90 °C at max. 10 000 operating hours)         Bend radius (fixed)       5× outer Ø	Shore hardness (wire isolation)	74 ±3 D
Stranding combination 3 wires twisted  Shield no  Material (jacket) PUR  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket) 58 ±3 D  Outer-Ø (jacket) 4.3 mm ±5%  Color (jacket) yellow  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5× outer Ø  Bend radius (fixed) 5× outer Ø	Wire-Ø incl. isolation	1.25 mm ±5%
Shield no  Material (jacket) PUR  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket) 58 ±3 D  Outer-Ø (jacket) 4.3 mm ±5%  Color (jacket) yellow  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5× outer Ø  Se outer Ø	Color/numbering of wires	br, bk, bl
Material (jacket)PURMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistantShore hardness (jacket)58 ±3 DOuter-Ø (jacket)4.3 mm ±5%Color (jacket)yellowchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistantNominal voltage300 V ACTest voltage2500 V ACCurrent load capacityto DIN VDE 0298-4Temperature 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	Stranding combination	3 wires twisted
Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket)  58 ±3 D  Outer-Ø (jacket)  4.3 mm ±5%  Color (jacket)  yellow  chemical resistance  good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance  flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage  300 V AC  Test voltage  2500 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile)  5 × outer Ø	Shield	no
resistant, hydrolysis-, microbial- and welding spark resistant  Shore hardness (jacket) 58 ±3 D  Outer-Ø (jacket) 4.3 mm ±5%  Color (jacket) yellow  chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) 5× outer Ø  Event (fixed) 5× outer Ø	Material (jacket)	PUR
Outer-Ø (jacket)  Color (jacket)  yellow  chemical resistance  good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance  flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage  300 V AC  Test voltage  2500 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile)  -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed)  5× outer Ø	Material property (jacket)	
Color (jacket)  chemical resistance  good resistance to oil, gasoline and chemicals (EN 60811-404)  thermal resistance  flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage  300 V AC  Test voltage  2500 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile)  -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed)  5× outer Ø	Shore hardness (jacket)	58 ±3 D
chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed) 5× outer Ø	Outer-Ø (jacket)	4.3 mm ±5%
thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed) 5× outer Ø	Color (jacket)	yellow
Nominal voltage 300 V AC  Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed) 5× outer Ø	chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Test voltage 2500 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours)  Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed) 5× outer Ø	thermal resistance	flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant
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	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	Test voltage	2500 V AC
Temperature range (mobile)  -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed)  5× outer Ø	Current load capacity	to DIN VDE 0298-4
Temperature range (mobile)  -25+80 °C, (+90 °C at max. 10 000 operating hours)  Bend radius (fixed)  5× outer Ø	Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed) 5× outer Ø		
	Bend radius (fixed)	5× outer Ø
		10× outer Ø

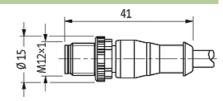
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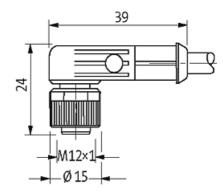
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 02/21



# stay connected

No. of bending cycles (C-track)	max. 10 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/s <sup>2</sup>
Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Jacket Color	yellow
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879171502
eClass	27279218
Packaging unit	1
Sketch	

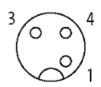




Male

Female





Product may differ from Image