

### M12 male 0° / M12 female 0° A-cod. shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 3.2m

Male straight - female straight M12 - M12, 5-pole A-coded shielded

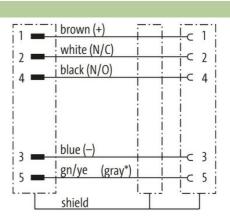
Plastic housings with good resistance against chemicals and oils.

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

### **Link to Product**

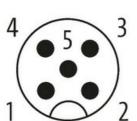
### Illustration



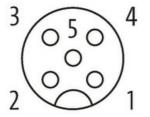


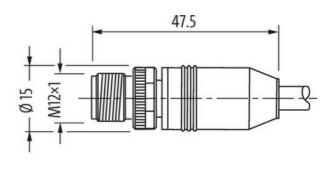
(\* for cable type 203, 603, 243, 643)

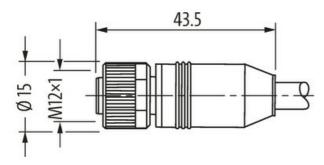
# Male



# **Female**







Product may differ from Image













## \* only for products with UL/CSA approved cable

Form         40521           Technical Data           Operating voltage         max. 60 V AC/DC           Operating voltage (only UL listed)         30 V AC/DC           Rated surge voltage         1.5 kV           Operating current per contact         max. 4 A           No. of poles         5           Material group         IEC 60664-1, category I           Coding         A-coded           LED display         no           Locking of ports         Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing           Compression gland         M12 (SW13)           Protection         IP65 and IP67 when plugged and screwed down (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         without           General data           Standards         DIN EN 61076-2-101 (M12)           Mounting method         inserted, tightened           Material (contact)         Copper aloy           Material (contact)         Copper aloy           Material (contact)         FKM           Pollution Degree         3           Temperature range         -25+85 °C, depending on cable quality     <	Form		
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Operating voltage (only UL listed)         30 V AC/DC           Rated surge voltage         1.5 kV           Operating current per contact         max. 4 A           No. of poles         5           Material group         IEC 60684-1, category I           Coding         A-coded           LED display         no           Locking of ports         Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing           Compression gland         M12 (SW13)           Protection         IP65 and IP67 when plugged and screwed down (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal 0)         without           General data         Sinc die casting, matte nickel plated           Multiput (contact)         Copper alloy           Mounting method         inserted, tightened           Material (contact surface)         Au           Material (contact surface)         Au           Material (contact surface)         Au           Material (contact surface)         Au           Material (contact surface)         Sr. ×85 °C, depending on cable quality           Cables         Cables (depending on cable quality           Cables	Technical Data		
Rated surge voltage         1.5 kV           Operating current per contact         max. 4 A           No. of poles         5           Material group         IEC 60664-1, category I           Coding         A-coded           LED display         no           Locking of ports         Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing           Compression gland         M12 (SW13)           Protection         IP65 and IP67 when plugged and screwed down (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         without           Standards           Standards         DIN EN 61076-2-101 (M12)           Mounting method         inserted, tightened           Material (contact)         Copper alloy           Material (contact surface)         Au           Material (gasket)         FKM           Pollution Degree         3           Temperature range         -5 +85 °C, depending on cable quality           Cables           No./diameter of wires         5 × 0.34 mm²           Wire isolation         PP (br, wh. bl. bk, gr)           C-track properties         5 Mio.	Operating voltage	max. 60 V AC/DC	
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Compression gland         M12 (SW13)           Protection         IP65 and IP67 when plugged and screwed down (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         without           General data         Standards           Standards         DIN EN 61076-2-101 (M12)           Mounting method         inserted, tightened           Material (contact)         Copper alloy           Material (gasket)         FKM           Pollution Degree         3           Temperature range         -25+85 °C, depending on cable quality           Cables         Vire isolation           Vire isolation         PP (br, wh, bl, bk, gr)           C-track properties         5 Mio.           Outer Ø         5.6 mm ±5%           Cable identification         243           Cable Type         3 (PUR)           Approval (cable)         CURus (AWM-Style 20549/10493); CE conform           Cable weight [g/m]         57.2 g           Material (wire)         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)	ED display	no	
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Material (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C)	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform	
Resistor (core) max. 57 Ω/km (20 °C)	Cable weight [g/m]	57,2 g	
	Material (wire)	Cu wire, bare	
Single wire Ø (core) 0.1 mm	, ,	max. 57 Ω/km (20 °C)	
	Single wire Ø (core)	0.1 mm	
Construction (core) 42× 0.1 mm (multi-strand wire class 6)	Construction (core)	42× 0.1 mm (multi-strand wire class 6)	
Diameter (core) 5x 0.34 mm <sup>2</sup>	, ,		
AWG similar to AWG 22			
Material (wire isolation) PP	Material (wire isolation)	PP	
Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free		· · · · · · · · · · · · · · · · · · ·	
Shore hardness (wire isolation) 70 ±5 D			
Wire-Ø incl. isolation 1.25 mm ±5%	Wire-Ø incl. isolation	1.25 mm ±5%	



Color/numbering of wires	br, bk, bl, wh, gr
Stranding combination	5 wires twisted around central filler
Shield	yes
optical shield cover	min. 80%
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	5.6 mm ±5%
Color (jacket)	gray
Jacket Color	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40+80 °C
Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25+80 °C
Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Torsion stress	±30°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Material (jacket)	PUR (UL/CSA)
Commercial data	
country of origin	CZ
customs tariff number	85444290
EAN	4048879438971
eClass	27279218
Packaging unit	1.000