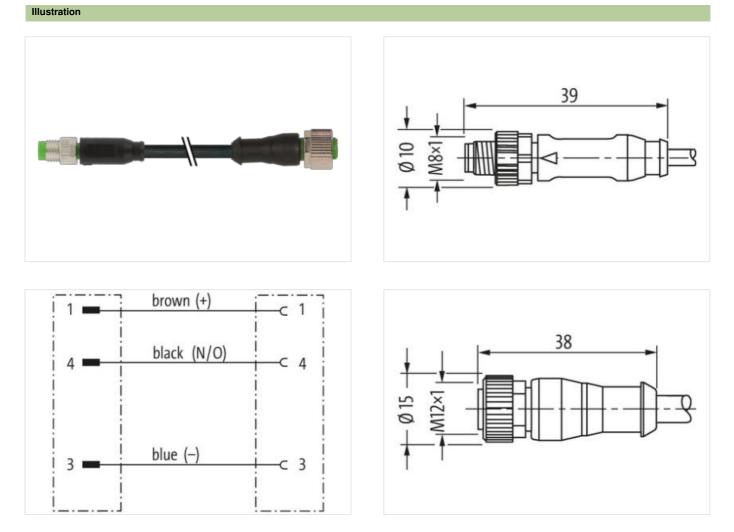


## M8 male 0° / M12 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 7.6m

Male straight – female straight M8 – M12, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request 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.

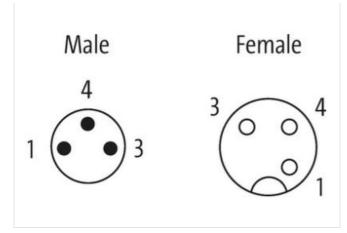
## Link to Product



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: 2022-12-30

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com





Product may differ from Image



\* only for products with UL/CSA approved cable

Form       88241         Technical Data	Form	
Operating voltagemax. 50 V AC/60 V DCOperating voltage (only UL listed)max. 30 V AC/DCRated surge voltage1.5 KVOperating current per contactmax. 4 ANo. of poles3Material groupIEC 60664-1, category 1CodingM12, A codedLocking of portsScrew thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securingProtactionIP65, IP66K, IP67 inserted and tightened (EN 60529)MaterialPURLocking materialZinc die cassing, matte nickel platedsuitable for corrugated tube (internal Ø)M12 (10 mm); M8 (6.5 mm)Compression glandM8 (SW9), M12 (W13)General datCopper allayMaterial (contact)Copper allayMaterial (contact)Copper allayMaterial (contact)Copper allayMaterial (contact)Copper allayMaterial (contact)Copper allayMaterial (contact)FKMPollution Degree3Termesture range-2+85 °C, depending on cable qualityCable identification630Cable identification630Cable identification640Cable identification640 <td>Form</td> <td>88241</td>	Form	88241
Operating voltage (only UL listed)         max. 30 V AC/DC           Rated surge voltage         1.5 kV           Operating current per contact         max. 4 A           No. of poles         3           Material group         IEC 60664.1, category I           Coding         M12, A-coded           Locking of ports         Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing           Protection         IP65, IP66K, IP67 insented and tightened (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         M12 (SWm), M12 (SWM)           General data         General data           Standards         DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)           Mounting method         inserted, tightened           Material (contact)         Copera alloy           Material (contact surface)         Au           Material (gasket)         FKM           Pollution Degree         3           Temperature range         -25485 °C, depending on cable quality           Cable identification         630           Cable rule         Culfus (AWM-Style 20549/10493); CE conform           Cable rule         culfus (AWM-Style 20549/10493); CE conform <td>Technical Data</td> <td></td>	Technical Data	
Rated surge voltage       1.5 kV         Operating current per contact       max. 4 A         No. of poles       3         Material group       IEC 60664-1, category I         Coding       M12, A-coded         Locking of ports       Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing         Protection       IP65, IP6K, IP67 inserted and tightened (EN 60529)         Material       PUR         Locking material       Zinc die casting, matte nickel plated         suitable for corrugated tube (internal Ø)       M12 (10 mm); M8 (6.5 mm)         Compression gland       M8 (SW9), M12 (SW13)         General data       Standards         Standards       DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)         Mounting method       inserted, tightened         Material (contact surface)       Au         Material (contact surface)       Au         Material (contact surface)       Au         Material (contact surface)       Au         Cable dettification       630         Cable dettification       630         Cable dutification       630         Cable dutification       630         Cable dutification       630         Cable wight [g/m]       26,4 g	Operating voltage	max. 50 V AC/60 V DC
Operating current per contact         max. 4 A           No. of poles         3           Material group         IEC 60064-1, category 1           Coding         M12, A-coded           Locking of ports         Screw thread (M8/M12x1 mm) recommended torque 0.4/0.6 Nm, self-securing           Protection         IP65, IP66K, IP67 inserted and tightened (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         M12 (10 mm); M8 (6.5 mm)           Compression gland         M8 (SW9), M12 (SW13)           General data         Standards           Standards         DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)           Mounting method         inserted, tightened           Material (contact)         Copper alloy           Material (contact surface)         Au           Material (contact surface)         Au           Material (gasketi)         FKM           Pollution Degree         3           Temperature range         -25+85 °C, depending on cable quality           Cables         Cable identification           Cable identification         630           Cable identification         630           Cable vigit [g/m]	Operating voltage (only UL listed)	max. 30 V AC/DC
No. of poles       3         Material group       IEC 60664-1, category I         Coding       M12, A-coded         Locking of ports       Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing         Protection       IP65, IP66K, IP67 inserted and tightened (EN 60529)         Material       PUR         Locking material       Zinc die casting, matte nickel plated         suitable for corrugated tube (internal Ø)       M12 (10 mm); M8 (6.5 mm)         Compression gland       M8 (SW9), M12 (SW13)         General data       E         Standards       DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)         Mounting method       inserted, tightened         Material (contact)       Copper alloy         Material (contact)       Copper alloy         Material (gasket)       FKM         Pollution Degree       3         Cable identification       630         Cable identification       630         Cable rype       3 (PUR)         Approval (cable)       CURus (AVM-Style 20549/10493); CE conform         Cable weight [g/m]       26.4 g         Material (wire)       Cu wire, bare         Resistor (core)       max. 79 D/km (20 °C)         Single wire Ø (core)       0.1 mm	Rated surge voltage	1.5 kV
Material groupIEC 60664-1, eategory ICodingM12, A-codedLocking of portsScrew thread (MS/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securingProtectionIP65, IP66K, IP67 inserted and tightened (EN 60529)MaterialPURLocking materialZinc die casting, matte nickel platedsuitable for corrugated tube (internal Ø)M12 (10 mm); M8 (6.5 mm)Compression glandM8 (SW9), M12 (SW13)General dataStandardsDIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCable identification630Cable identification630Cable identification26.4 gMaterial (wire)Cu wire, bareAproval (cable)cURus (AWM-Style 20549/10493); CE conformCable wire Ø (core)0.1 mm	Operating current per contact	max. 4 A
Coding         M12, A-coded           Locking of ports         Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing           Protection         IP65, IP66K, IP67 inserted and tightened (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         M12 (10 mm); M8 (6.5 mm)           Compression gland         M8 (SW9), M12 (SW13)           General data         Standards           Standards         DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)           Mounting method         inserted, tightened           Material (contact)         Copper alloy           Material (contact surface)         Au           Material (gasket)         FKM           Pollution Degree         3           Temperature range         -25485 °C, depending on cable quality           Cable identification         630           Cable identification         630           Cable identification         630           Cable wight [g/m]         26.4 g           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm	No. of poles	3
Locking of ports         Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing           Protection         IP65, IP66K, IP67 inserted and tightened (EN 60529)           Material         PUR           Locking material         Zinc die casting, matte nickel plated           suitable for corrugated tube (internal Ø)         M12 (10 mm); M8 (6.5 mm)           Compression gland         M8 (SW9), M12 (SW13)           General data         U           Standards         DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)           Mounting method         inserted, tightened           Material (contact)         Copper alloy           Material (contact surface)         Au           Material (gasket)         FKM           Pollution Degree         3           Temperature range         -25+85 °C, depending on cable quality           Cable         Gable identification           G30         Cables           Cable identification         630           Cable wight [g/m]         26.4 g           Material (wire)         Cu wire, bare           Resistor (core)         max. 79 Ω/km (20 °C)	Material group	IEC 60664-1, category I
Protection       IP65, IP66K, IP67 inserted and tightened (EN 60529)         Material       PUR         Locking material       Zinc die casting, matte nickel plated         suitable for corrugated tube (internal Ø)       M12 (10 mm); M8 (6.5 mm)         Compression gland       M8 (SW9), M12 (SW13)         General data	Coding	M12, A-coded
MaterialPURLocking materialZinc die casting, matte nickel platedsuitable for corrugated tube (internal Ø)M12 (10 mm); M8 (6.5 mm)Compression glandM8 (SW9), M12 (SW13)General dataStandardsDIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable solutificationCable (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26.4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Locking of ports	Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing
Locking material       Zinc die casting, matte nickel plated         suitable for corrugated tube (internal Ø)       M12 (10 mm); M8 (6.5 mm)         Compression gland       M8 (SW9), M12 (SW13)         General data       Standards         Standards       DIN EN 61076-2-104 (M8)         Mounting method       inserted, tightened         Material (contact)       Copper alloy         Material (contact surface)       Au         Material (gasket)       FKM         Pollution Degree       3         Temperature range       -25+85 °C, depending on cable quality         Cables       Cables         Cable identification       630         Cable VPP       3 (PUR)         Approval (cable)       cURus (AWM-Style 20549/10493); CE conform         Cable weight [g/m]       26,4 g         Material (wire)       Cu wire, bare         Resistor (core)       max. 79 Ω/km (20 °C)         Single wire Ø (core)       0.1 mm	Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
suitable for corrugated tube (internal Ø)       M12 (10 mm); M8 (6.5 mm)         Compression gland       M8 (SW9), M12 (SW13)         General data       Standards         Standards       DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)         Mounting method       inserted, tightened         Material (contact)       Copper alloy         Material (contact surface)       Au         Material (gasket)       FKM         Pollution Degree       3         Temperature range       -25+85 °C, depending on cable quality         Cables       Cables         Cable identification       630         Cable (cable)       cURus (AWM-Style 20549/10493); CE conform         Cable weight [g/m]       26,4 g         Material (wire)       Cu wire, bare         Resistor (core)       max. 79 Ω/km (20 °C)         Single wire Ø (core)       0.1 mm	Material	PUR
Compression glandM8 (SW9), M12 (SW13)General dataStandardsDIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identificationGable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Locking material	Zinc die casting, matte nickel plated
General dataStandardsDIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification630Cable IType3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26.4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	suitable for corrugated tube (internal $\emptyset$ )	M12 (10 mm); M8 (6.5 mm)
StandardsDIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Compression gland	M8 (SW9), M12 (SW13)
Mounting methodinserted, tightenedMaterial (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26.4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	General data	
Material (contact)Copper alloyMaterial (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Standards	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Material (contact surface)AuMaterial (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Mounting method	inserted, tightened
Material (gasket)FKMPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Material (contact)	Copper alloy
Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Material (contact surface)	Au
Temperature range-25+85 °C, depending on cable qualityCablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Material (gasket)	FKM
CablesCable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Pollution Degree	3
Cable identification630Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Temperature range	-25+85 °C, depending on cable quality
Cable Type3 (PUR)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Cables	
Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]26,4 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.1 mm	Cable identification	630
Cable weight [g/m]     26,4 g       Material (wire)     Cu wire, bare       Resistor (core)     max. 79 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm	Cable Type	3 (PUR)
Material (wire)     Cu wire, bare       Resistor (core)     max. 79 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Resistor (core)         max. 79 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm	Cable weight [g/m]	26,4 g
Single wire Ø (core)     0.1 mm	Material (wire)	Cu wire, bare
	Resistor (core)	max. 79 Ω/km (20 °C)
Construction (core)     32× 0.1 mm (multi-strand wire class 6)	Single wire Ø (core)	0.1 mm
	Construction (core)	32× 0.1 mm (multi-strand wire class 6)

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: 2022-12-30

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Diameter (core)	3× 0.25 mm <sup>2</sup>
AWG	similar to AWG 24
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	70 ±5 D
Wire-Ø incl. isolation	1.25 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 and microbial resistant
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	4.1 mm ±5%
Color (jacket)	black
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	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
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s <sup>2</sup>
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Product article number of manufacturer	7000-88241-6300760
Cable length	7,6 m

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: 2022-12-30

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com