

M12

1210 1200 ... 0...

Cordsets M12



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M12 male, straight, A-coded, IP67

Cable end 2:

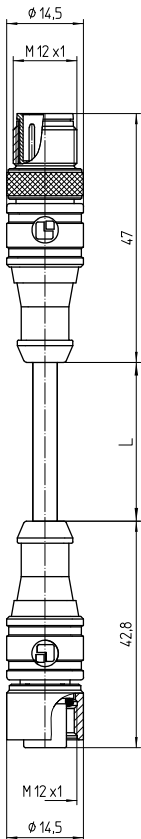
M12 female, straight, A-coded, IP67

Cable:

PVC, black

Approvals:  US pending

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Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulating body	TPU GF, HB according to UL94
Contact bush	CuZn, pre-nickel and gold-plated
Contact pin	CuZn, pre-nickel and gold-plated
Overmolding/handle	PVC, HB according to UL94
Knurled screw	CuZn, nickel-plated
Knurled nut	CuZn, nickel-plated
Seal	FKM

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 10 N ¹
Withdrawal force	≤ 15 N ¹
Protection class	IP67 ²

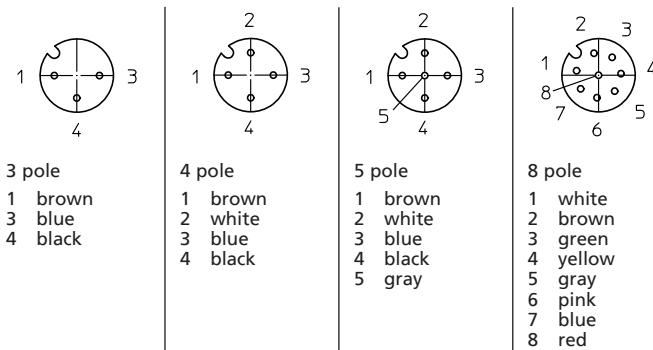
¹ measured with a proper counterpart

² according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Outer jacket PVC, black

Pin assignments for female M12 connectors, A-coded, front view

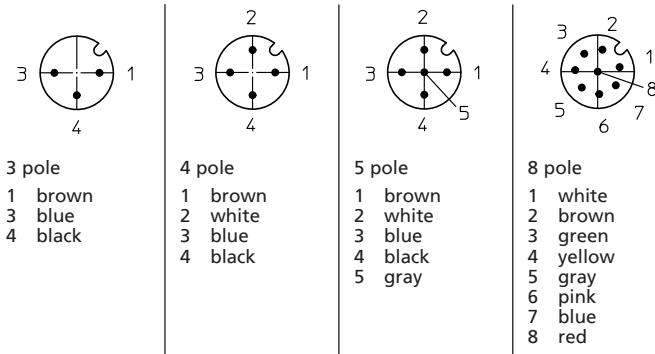


Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	4 A (3–5 poles) 2 A (8 poles) 1.5 A (12 poles) (T _{amb} 40 °C)
Rated voltage	250 V AC/DC (3–4 poles) 60 V AC/DC (5 poles) 30 V AC/DC (8–12 poles)
Rated impulse voltage	2500 V (3–4 poles) 1500 V (5 poles) 800 V (8–12 poles)
Material group	I (IEC)/0 (UL) (CTI = 600)
Insulation resistance	> 100 MΩ

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Pin assignments for male M12 connectors, A-coded, front view



Associated products

Counterparts

1200 ... 0...	1200 ... 3...	1205 ... 0...
1205 ... 3...	1206 ... L1 0...	1206 ... L1 3...
1206 ... L2 0...	1206 ... L2 3...	1210 ... 0...
1210 ... 3...	1210 0800 ... 3...	1210 0806 ... L1 3...
1220 ... T16CW ...	1220 ... T20CW100 ...	1220 ... T20CW101 ...
1220 ... T20CW102 ...	1220 ... T20CW103 ...	1220 ... T20CW104 ...
1220 ... T20CW105 ...	1221 ... T16CW100 ...	1221 ... T9CP
1230 ... T16CW ...	1230 ... T16CW100 ...	1230 ... T16CW101 ...
1230 ... T16CW102 ...	1230 ... T16CW103 ...	1230 ... T16CW104 ...
1230 ... T16CW105 ...	1231 ... T16CW100 ...	1231 ... T9CP
1239 ... T0CB	1240 ... T...CR	1245 ... T9CR
1250 ... T...CR	1255 ... T9CR	5500 04DL1 3...
5500 04L1 3...	5500 08DL1 3...	5500 08L1 3...
5512 04DL1	5512 04L1	5512 08L1

Accessories

9912 CPF0	9912 CPM0	9912 MRBU
9912 MRGN	9912 MRRD	9912 MRWH
9912 MRYE		

M12

1210 1200 ... 0...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 1200 04 002 0,6m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	600
1210 1200 04 002 1,5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	1500
1210 1200 04 002 2m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	5	10	2000
1210 1200 04 002 5m	4	PVC, black, 4 x 0.34 mm ² (AWG 22), 910002, UL-style 2464	1	10	5000
1210 1200 05 003 0,6m	5	PVC, black, 5 x 0.34 mm ² (AWG 22), 910003, UL-style 2464	5	10	600
1210 1200 05 003 1,5m	5	PVC, black, 5 x 0.34 mm ² (AWG 22), 910003, UL-style 2464	5	10	1500
1210 1200 05 003 2m	5	PVC, black, 5 x 0.34 mm ² (AWG 22), 910003, UL-style 2464	5	10	2000
1210 1200 05 003 5m	5	PVC, black, 5 x 0.34 mm ² (AWG 22), 910003, UL-style 2464	1	10	5000

Packaging:
in a plastic bag