Lutronic
passion for automation

M12 1200 ... 0...

Cordsets M12

Actuator/sensor cordset with overmolded connector

Cable end 1:

M12 female, straight, A-coded, IP67

Cable end 2:

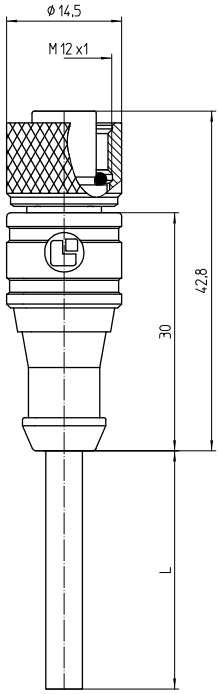
blunt cut

Cable:

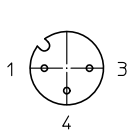
PVC, black

Approvals: c UL us

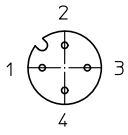
M12 1200 ... 0...



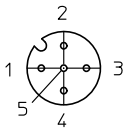
Pin assignments for female M12 connectors, A-coded, front view



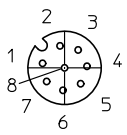
3 pole
1 brown
3 blue
4 black



4 pole
1 brown
2 white
3 blue
4 black



5 pole
1 brown
2 white
3 blue
4 black
5 gray



8 pole
1 white
2 brown
3 green
4 yellow
5 gray
6 pink
7 blue
8 red

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
Overmolding/handle	PVC, HB according to UL94
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

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

Associated products

Counterparts

1210 ... 0...	1210 ... 3...	1210 0800 ... 3...
1210 0806 ... L1 3...	1210 1200 ... 0...	1210 1200 ... 3...
1210 1205 ... 3...	1210 1206 ... L1 0...	1210 1206 ... L1 3...
1210 1206 ... L2 0...	1210 1206 ... L2 3...	1230 ... T16CW ...
1230 ... T16CW100 ...	1230 ... T16CW101 ...	1230 ... T16CW102 ...

M12 1200 ... 0...

- 1230 ... T16CW103 ...
- 1230 ... T16CW104 ...
- 1230 ... T16CW105 ...
- 1230 ... TF1CW004 ...
- 1231 ... T16CW100 ...
- 1231 ... T9CP
- 1239 ... T0CB
- 1250 ... T...CI
- 1250 ... T...CR
- 1255 ... T...CR
- 5012 02 MFF
- 5512 02 FMF
- 5512 02 MFF

Accessories

- 9912 CPF0
- 9912 MRBU
- 9912 MRGN
- 9912 MRRD
- 9912 MRWH
- 9912 MRYE

M12 1200 ... 0...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1200 03 001 1m	3	PVC, black, 3 x 0.34 mm² (AWG 22), 910001, UL-style 2464	5	10	1000
1200 03 001 2m	3	PVC, black, 3 x 0.34 mm² (AWG 22), 910001, UL-style 2464	5	10	2000
1200 04 002 2m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	5	10	2000
1200 04 006 2m	4	PVC, black, 4 x 0.25 mm² (AWG 24), 910006, UL-style 2464	5	10	2000
1200 04 002 5m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	5000
1200 04 002 10m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	10000
1200 04 002 20m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	20000
1200 04 002 25m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	25000
1200 05 003 5m	5	PVC, black, 5 x 0.34 mm² (AWG 22), 910003, UL-style 2464	1	10	5000
1200 08 004 10m	8	PVC, black, 8 x 0.25 mm² (AWG 24), 910004, UL-style 2464	1	10	10000

Packaging:
in a plastic bag