

M12

1210 0800 ... 3...

Cordsets M12



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M12 male, straight, A-coded, IP67

Cable end 2:

M8 female, straight, A-coded, IP67

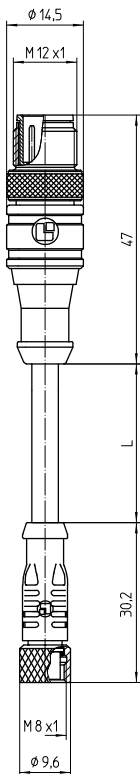
Cable:

PUR, black

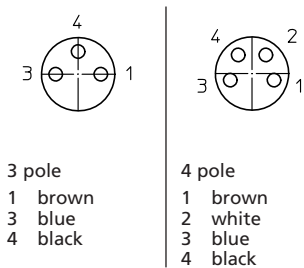
Approvals:



M12 1210 0800 ... 3...



Pin assignments for female M8 connectors, A-coded, front view



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	TPU ¹
Knurled screw	CuZn, nickel-plated
Knurled nut	CuZn, nickel-plated
Seal	FKM

¹ material halogen-free

Mechanical data

Mating cycles ≥ 100
Protection class IP67¹

¹ according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Construction PUR, black
Outer jacket PUR, black

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 10 mΩ
Rated current 4 A (T_{amb} 40 °C)
Rated voltage 50 V AC/60 V DC
Rated impulse voltage 1500 V (3 poles)
800 V (4 poles)
Material group I (IEC)/0 (UL) (CTI = 600)
Insulation resistance > 100 MΩ

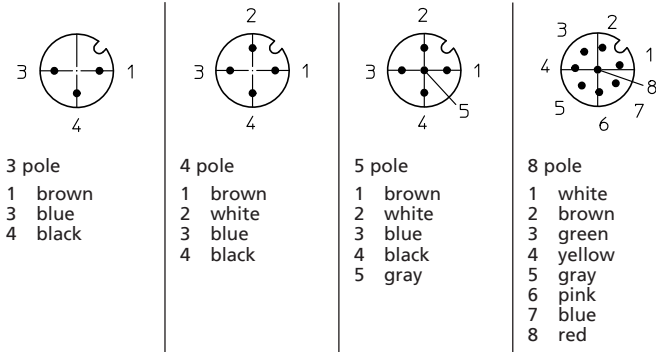
Associated products

Counterparts		
0810 ... 0...	0810 ... 3...	0810 0800 ... 0...
0810 0800 ... 3...	0810 0805 ... 3...	0810 0806 ... L1 3...
0815 ... 0...	0815 ... 3...	0830 ... T8CW ...
0831 ... T10CP	0831 ... T8CW ...	0832 ...S9 T8CP
1200 ... 0...	1205 ... 0...	1205 ... 3...
1206 ... L1 0...	1206 ... L1 3...	1206 ... L2 0...
1206 ... L2 3...	1210 1200 ... 0...	1220 ... T16CW ...
1220 ... T20CW100 ...	1220 ... T20CW101 ...	1220 ... T20CW102 ...

M12

1210 0800 ... 3...

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



- | | | |
|---------------------------------------|---------------------------------------|---------------------------------------|
| 1220 ... T20CW103 ... | 1220 ... T20CW104 ... | 1220 ... T20CW105 ... |
| 1221 ... T16CW100 ... | 1221 ... T9CP | 1240 ... T...CR |
| 1245 ... T9CR | 5500 04DL1 3... | 5500 04L1 3... |
| 5500 08DL1 3... | 5500 08L1 3... | 5512 04DL1 |
| 5512 04L1 | 5512 08L1 | 6157 8055 S01 4W |
| 6157 8055 S03 8W | 6157 8055 S06 16W | 6157 8055 S09 24W |

Accessories

- | | | |
|---------------------------|---------------------------|---------------------------|
| 9908 CPF0 | 9912 CPM0 | 9912 MRBU |
| 9912 MRGN | 9912 MRRD | 9912 MRWH |
| 9912 MRYE | | |

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 0800 03 300 0,6m	3	PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549	5	10	600

Packaging:
in a plastic bag