

M8

0810 0805 ... 3...

Cordsets M8



Actuator/sensor cordset with overmolded connectors

Cable end 1:

M8 male, straight, A-coded, IP67

Cable end 2:

M8 female, angled, A-coded, IP67

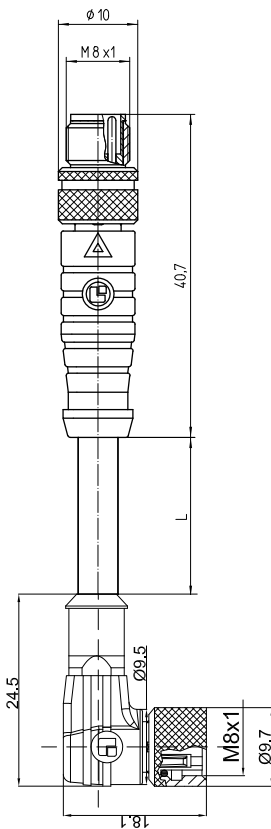
Cable:

PUR, black

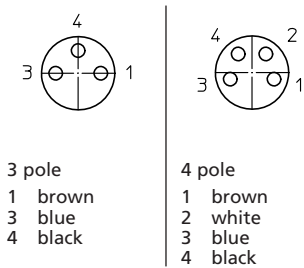
Approvals:



M8 0810 0805 ... 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 |
| Insertion force | ≤ 23 N ¹ |
| Withdrawal force | ≤ 23 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

| | |
|--------------|------------|
| Construction | PUR, black |
| Outer jacket | PUR, black |

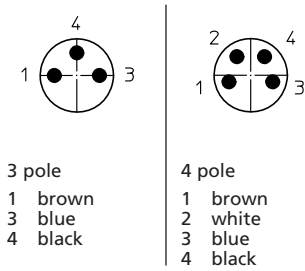
Electrical data (at T_{amb} 20 °C)

| | |
|-----------------------|--|
| Contact resistance | ≤ 10 mΩ |
| Rated current | 4 A (3-4 poles) 1.5 A (6-8 poles) (T _{amb} 40 °C) |
| Rated voltage | 48 V AC/60 V DC (3-4 poles) 32 V AC/DC (6-8 poles) (with pollution degree 3) |
| Rated impulse voltage | 1.5 kV (3-4 poles) 0.8 kV (6-8 poles) |
| Material group | I (IEC)/0 (UL) (CTI = 600) |
| Overvoltage category | III |
| Insulation resistance | > 100 MΩ |

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



Associated products

Counterparts

| | | |
|------------------------------------|---------------------------------------|----------------------------------|
| 0800 ... 0... | 0800 ... 3... | 0800F1 ... 0... |
| 0800F1 ... 3... | 0805 ... 0... | 0805 ... 3... |
| 0805F1 ... 0... | 0806 ... L1 0... | 0806 ... L1 3... |
| 0820 ... T8CW ... | 0821 ... T10CP | 0822 ...S9 T8CP |
| 1210 0800 ... 3... | 1210 0806 ... L1 3... | 5000 04L1 3... |
| 5000 08L1 3... | 5000 10L1 3... | 5000 12L1 3... |
| 5012 02 MFF | 5012 04L1 | 5012 08L1 |
| 5012 10L1 | 6157 8055 S01 4W | 6157 8055 S03 8W |
| 6157 8055 S06 16W | 6157 8055 S09 24W | |

Accessories

| | |
|---------------------------|---------------------------|
| 9908 CPF0 | 9908 CPM0 |
|---------------------------|---------------------------|

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| Designation | Pole Number | Connected Cable | PU (Pieces) | MDQ (Pieces) | Dimensions L (mm) |
|-----------------------|-------------|---|-------------|--------------|----------------------|
| 0810 0805 03 300 0,3m | 3 | PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549 | 5 | 10 | 300 |
| 0810 0805 03 300 0,6m | 3 | PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549 | 5 | 10 | 600 |
| 0810 0805 03 300 1m | 3 | PUR, black, 3 x 0.34 mm ² (AWG 22), 910300, UL-style 20549 | 5 | 10 | 1000 |
| 0810 0805 04 301 0,6m | 4 | PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549 | 5 | 10 | 600 |
| 0810 0805 04 301 1,5m | 4 | PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549 | 5 | 10 | 1500 |
| 0810 0805 04 301 2m | 4 | PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549 | 5 | 10 | 2000 |
| 0810 0805 04 301 5m | 4 | PUR, black, 4 x 0.34 mm ² (AWG 22), 910301, UL-style 20549 | 1 | 10 | 5000 |

Packaging:
in a plastic bag