M8 | 0815 0805 ... 3... sp

Cordsets M8

Actuator/sensor cordset with overmolded connectors

Cable end 1:

M8 male, angled, A-coded, IP67

Cable end 2:

M8 female, angled, A-coded, IP67

Cable:

spiral cable, PUR, black

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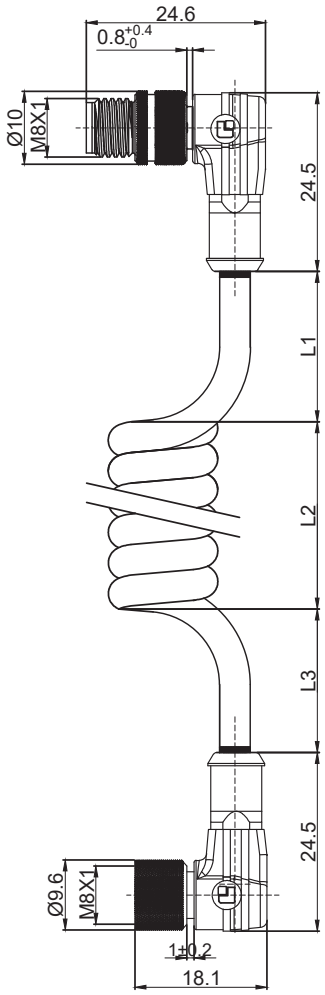

Environmental conditions

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	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] gemessen mit einem passenden Gegenstück

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

Connected cable

Outer jacket	PUR, black, coiled

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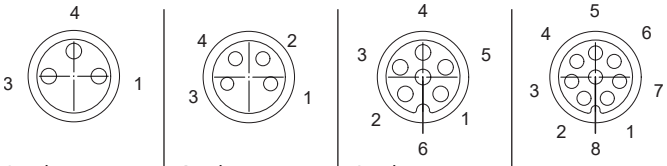
Pin assignments for female M8 connectors, A-coded, front view



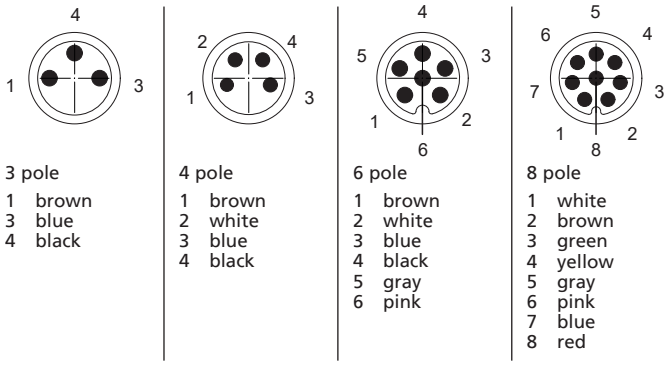
3 pole
1 brown
3 blue
4 black

4 pole
1 brown
2 white
3 blue
4 black

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

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

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



3 pole
1 brown
3 blue
4 black

4 pole
1 brown
2 white
3 blue
4 black

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

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

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
- 0840 ... T...CI
- 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		
					L1 (mm)	L2 (mm)	L3 (mm)
0815 0805 06 338 0,3m	6	PUR, black, 6 x 0.25 mm² (AWG 24), coiled, 910338, UL-style 20549	1	10	100	100	100
0815 0805 08 339 0,3m	8	PUR, black, 8 x 0.14 mm² (AWG 26), coiled, 910339, UL-style 20549	1	10	100	100	100

Packaging:
in a plastic bag