M8 0800 ... 3...

Cordsets M8

Actuator/sensor cordset with overmolded connector

Cable end 1:

M8 female, straight, A-coded, IP67

Cable end 2:

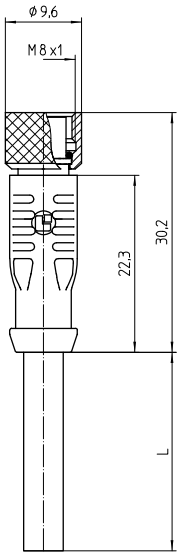
blunt cut

Cable:

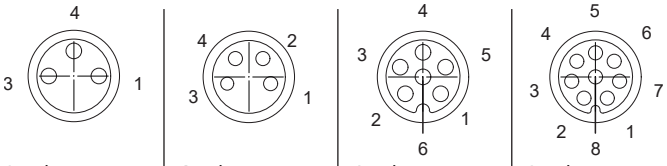
PUR, black

Approvals:

M8 0800 ... 3...



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



3 pole	4 pole	6 pole	8 pole
1 brown	1 brown	1 brown	1 white
3 blue	2 white	2 white	2 brown
4 black	3 blue	3 blue	3 green
	4 black	4 black	4 yellow
		5 gray	5 gray
		6 pink	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	TPU[1]
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

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

Associated products

Counterparts

0810 ... 0...	0810 ... 3...	0810 0800 ... 0...
0810 0800 ... 3...	0810 0800 ... 3... sp	0810 0805 ... 3...
0810 0806 ... L1 3...	0815 ... 0...	0815 ... 3...
0815 0805 ... 3...	0815 0805 ... 3... sp	0830 ... T8CW ...
0831 ... T10CP	0831 ... T8CW ...	0832 ...S9 T8CP

M8 0800 ... 3...

0850 ... T...CI
6157 8055 S01 4W
6157 8055 S03 8W
6157 8055 S06 16W
6157 8055 S09 24W

Accessories
9908 CPF0

M8 0800 ... 3...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0800 03 300 2m	3	PUR, black, 3 x 0.34 mm² (AWG 22), 910300, UL-style 20549	5	10	2000
0800 03 300 5m	3	PUR, black, 3 x 0.34 mm² (AWG 22), 910300, UL-style 20549	1	10	5000
0800 04 301 2m	4	PUR, black, 4 x 0.34 mm² (AWG 22), 910301, UL-style 20549	1	10	2000
0800 04 301 5m	4	PUR, black, 4 x 0.34 mm² (AWG 22), 910301, UL-style 20549	1	10	5000
0800 06 337 1m	6	PUR, black, 6 x 0.25 mm² (AWG 24), 910337, UL-style 20549	5	10	1000
0800 06 337 2m	6	PUR, black, 6 x 0.25 mm² (AWG 24), 910337, UL-style 20549	5	10	2000
0800 06 337 5m	6	PUR, black, 6 x 0.25 mm² (AWG 24), 910337, UL-style 20549	1	10	5000
0800 08 331 1m	8	PUR, black, 8 x 0.14 mm² (AWG 26), 910331, UL-style 20549	5	10	1000
0800 08 331 2m	8	PUR, black, 8 x 0.14 mm² (AWG 26), 910331, UL-style 20549	5	10	2000
0800 08 331 5m	8	PUR, black, 8 x 0.14 mm² (AWG 26), 910331, UL-style 20549	1	10	5000

Packaging:
in a plastic bag