M8 0805F1 ... 0...

Cordsets M8

Actuator/sensor cordset with overmolded connector

Cable end 1:

M8 female, angled, with snap joint, A-coded, IP65

Cable end 2:

blunt cut

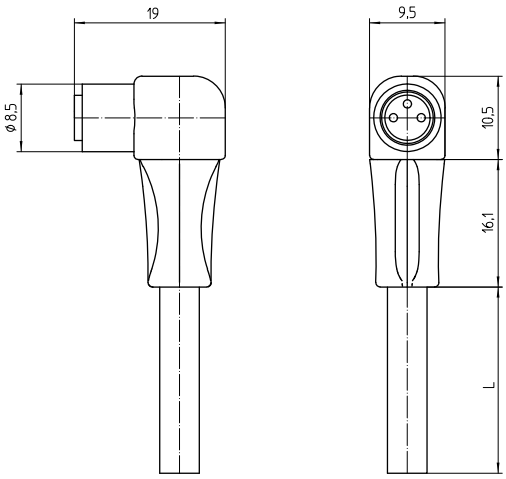
Cable:

PVC, black

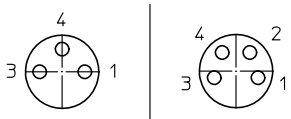
Approvals:

Lutronic
passion for automation

M8 0805F1 ... 0...



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



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

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

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 23 N [1]
Withdrawal force	≤ 23 N [1]
Protection class	IP65 [2]

[1] measured with a proper counterpart

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

Connected cable

Construction	PVC, black
Outer jacket	PVC, black

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	4 A (T_{amb} 40 °C)
Rated voltage	48 V AC/60 V DC (with pollution degree 3)
Rated impulse voltage	1,5 kV
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 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
0850 ... T...CI	6157 8055 S01 4W	6157 8055 S03 8W
6157 8055 S06 16W	6157 8055 S09 24W	

M8 0805F1 ... 0...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
0805F1 04 002 2m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	5	10	2000
0805F1 04 002 5m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	5000
0805F1 04 002 10m	4	PVC, black, 4 x 0.34 mm² (AWG 22), 910002, UL-style 2464	1	10	10000

Packaging:
in a plastic bag