

date 08/05/2022

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SERIES: CDM816 | DESCRIPTION: M8 CABLE

FEATURES

- · M8 molded female cable connector
- A & B code versions
- straight
- IP67
- 1, 2, & 3 meter length options







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5, 6, & 8 pole models			60 30	V
rated current	3, 4, & 5 pole models 6 & 8 pole models			3 1.5	A A
withstanding voltage	for 1 minute		1,500		Vac
contact resistance				10	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			МΩ
insertion/withdrawal force		0.3		1.5	kgf
operating temperature		-25		80	°C
life		100			cycles
safety approvals	compliant with IEC61076-2-104				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				

PART NUMBER KEY

<u>CDM816</u> - <u>XXX</u> - 01FST - <u>XX</u> - 67

Base Number

No. of Poles:

03A = 3 (A-Coding)

04A = 4 (A-Coding) 05B = 5 (B-Coding)

06A = 6 (A-Coding)08A = 8 (A-Coding) Cable Length: $1M = 1 \, \text{m}$

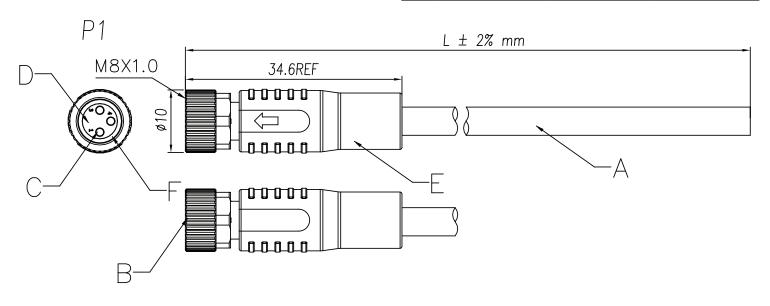
2M = 2 m

3M = 3 m

MECHANICAL DRAWING

units: mm tolerance: $0.5<X\le6.0$: ±0.1 mm $6.0<X\le30.0$: ±0.2 mm unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
А	cable	UL 2464 PVC (UL94V-0)	black
В	M8x1.0 screw	brass	nickel
С	terminals; female	brass	gold
	housing; female	PA66 (UL94V-0)	black
Е	overmold	TPU (UL94V-0)	black
F	o-ring	FKM	orange



No. of	f Poles	3	4	5	6	8
Сос	ding	A-Coding	A-Coding	B-Coding	A-Coding	40 ⁵ 0 6 0 08 0 20 01 A-Coding
Pin#	Cable	24 AWG X 3C OD: Ø4.0 mm	24 AWG X 4C OD: Ø4.5 mm	24 AWG X 5C OD: Ø4.8 mm	26 AWG X 6C OD: Ø4.8 mm	26 AWG X 8C OD: Ø5.3 mm
	1	brown	brown	brown	brown	white
	2		white	white	white	brown
;	3	blue	blue	blue	blue	green
	4	black	black	black	black	yellow
	5			gray	gray	gray
1	6				pink	pink
	7					blue
	8					red

REVISION HISTORY

rev.	description	date
1.0	initial release	07/19/2022
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



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