SERIES: CDM817 | DESCRIPTION: M8 CABLE

FEATURES

- M8 molded male cable connector
- A & B code versions
- right-angled
- 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 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			MΩ
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

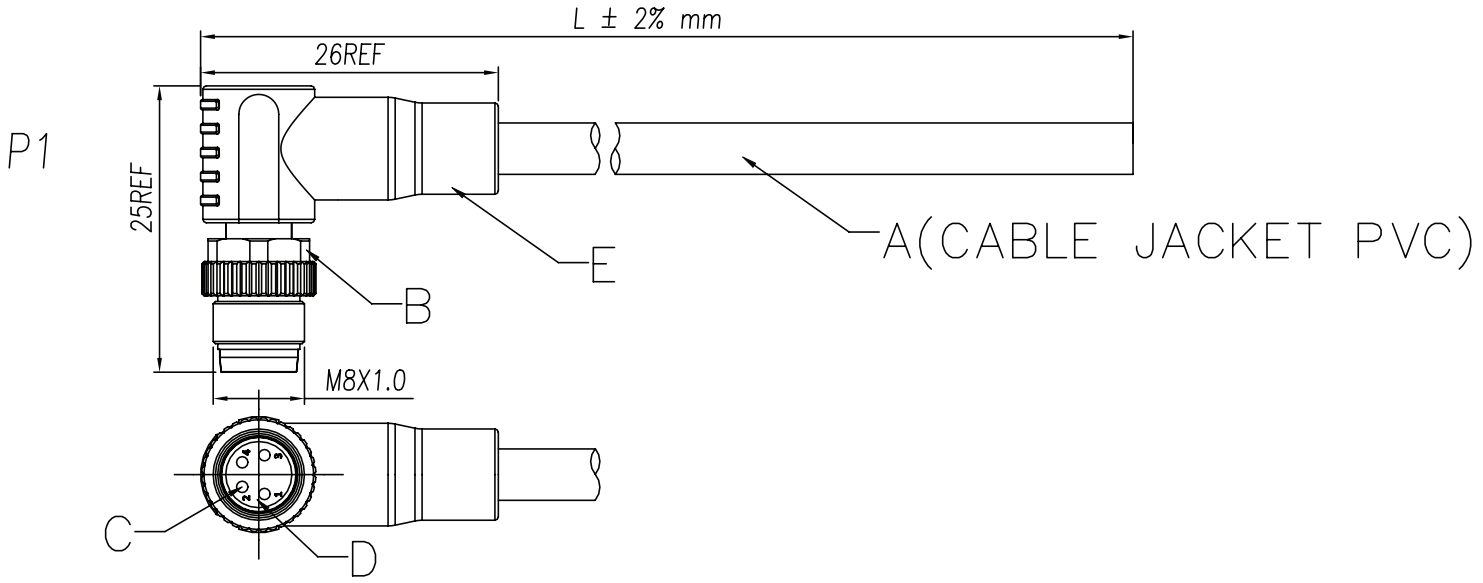
CDM817 - XXX - 01MRA - XX - 67

- CDM817 — Base Number
- XXX — No. of Poles:
  - 03A = 3 (A-Coding)
  - 04A = 4 (A-Coding)
  - 05B = 5 (B-Coding)
  - 06A = 6 (A-Coding)
  - 08A = 8 (A-Coding)
- XX — Cable Length:
  - 1M = 1 m
  - 2M = 2 m
  - 3M = 3 m

MECHANICAL DRAWING

units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	cable	UL 2464 PVC (UL94V-0)	black
B	M8x1.0 screw	brass	nickel
C	terminals; male	brass	gold
D	housing; male	PA66 (UL94V-0)	black
E	overmold	TPU (UL94V-0)	black



No. of Poles		3	4	5	6	8
Coding		A-Coding	A-Coding	B-Coding	A-Coding	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
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.

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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