

# SERIES: CDM1231 | DESCRIPTION: M12 CABLE

#### FEATURES

- M12 molded female cable connector
- A code
- right-angle
- IP67
- 1, 2, & 3 meter length options





## SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
	3 & 4 pole models			250	V
rated voltage	5 pole model			60	V
	8 & 12 pole models			30	V
	3, 4, & 5 pole models			4	А
rated current	8 pole model			2	A
	12 pole model			1.5	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		3.0	kgf
operating temperature		-25		80	°C
life		100			cycles
safety approvals	compliant with IEC61076-2-101				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				

### PART NUMBER KEY

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CDM1231 - XX A - 01FRA - XX - 67

Base Number

No. of Poles (A-Coding):

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

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ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	cable	UL 2464 PVC (UL94V-O)	black
В	M12x1.0 nut	brass	nickel
С	terminals; female	brass	gold
D	housing; female	PA66 (UL94V-0)	black
Е	overmold	TPU (UL94V-0)	black
F	o-ring	FKM	green

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#### L ± 2%



No. of	f Poles	3	4	5	8	12
A-Co	oding		30 04 20 01	30 04 05 20 01	000 000 000 000 000 000 000 000 000 00	00000000000000000000000000000000000000
Pin#	Cable	22 AWG X 3C OD: Ø4.5 mm	22 AWG X 4C OD: Ø5.0 mm	22 AWG X 5C OD: Ø5.5 mm	24 AWG X 8C OD: Ø5.5 mm	26 AWG X 12C OD: Ø6.2 mm
	1	brown	brown	brown	white	brown
	2		white	white	brown	blue
:	3	blue	blue	blue	green	white
	4	black	black	black	yellow	green
1	5			gray	gray	pink
	6				pink	yellow
	7				blue	black
;	8				red	gray
	9					red
1	10					violet
11						gray/pink
1	12					red/blue

#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	04/11/2022	
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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