

SERIES: CDM1248 | **DESCRIPTION:** M12 CONNECTOR**FEATURES**

- M12 female connector
- D code
- panel mount
- IP67
- 0.5, 1, 2, 3, & 5 meter length options

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				60	V
rated current				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

CDM1248 - 04D - FW - F16 - XXX - 67

Base Number

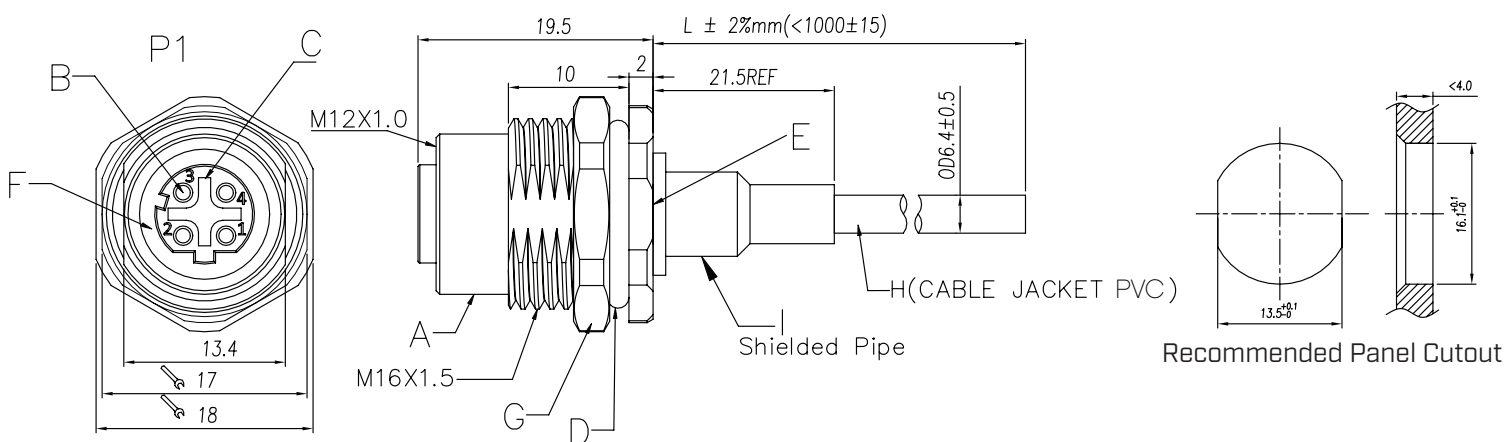
Cable Length:

050 = 0.5 m
 100 = 1 m
 200 = 2 m
 300 = 3 m
 500 = 5 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	M12x1.0 screw	brass	nickel
B	terminals; female	brass	gold
C	housing; female	PA66 (UL94V-0)	black
D	o-ring	FKM	black
E	resin	black epoxy	black
F	o-ring	FKM	green
G	M16x1.5 nut	brass	nickel
H	cable	CAT5 (100 Mbps), UL2464, 26 AWG PVC jacket	
I	shield pipe	brass	nickel



No. of Poles	4
D-Coding	
Cable	26 AWG twisted pair X 2C + AL + Braid OD: Ø6.4 mm
Wiring	<p>P1</p> <p>1 Yellow ——— TD+</p> <p>3 Orange ——— TD-</p> <p>2 White ——— RD+</p> <p>4 Blue ——— RD-</p> <p>Shield Braid ———</p>

REVISION HISTORY

rev.	description	date
1.0	initial release	05/09/2024

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



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