

**SERIES:** CDM1278 | **DESCRIPTION:** M12 CABLE**FEATURES**

- M12 molded female cable connector
- D code
- right-angle
- 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) RJ45: IP20				

**PART NUMBER KEY****CDM1278 - 04D - 01FRA - XXX - RJ45 - 67**

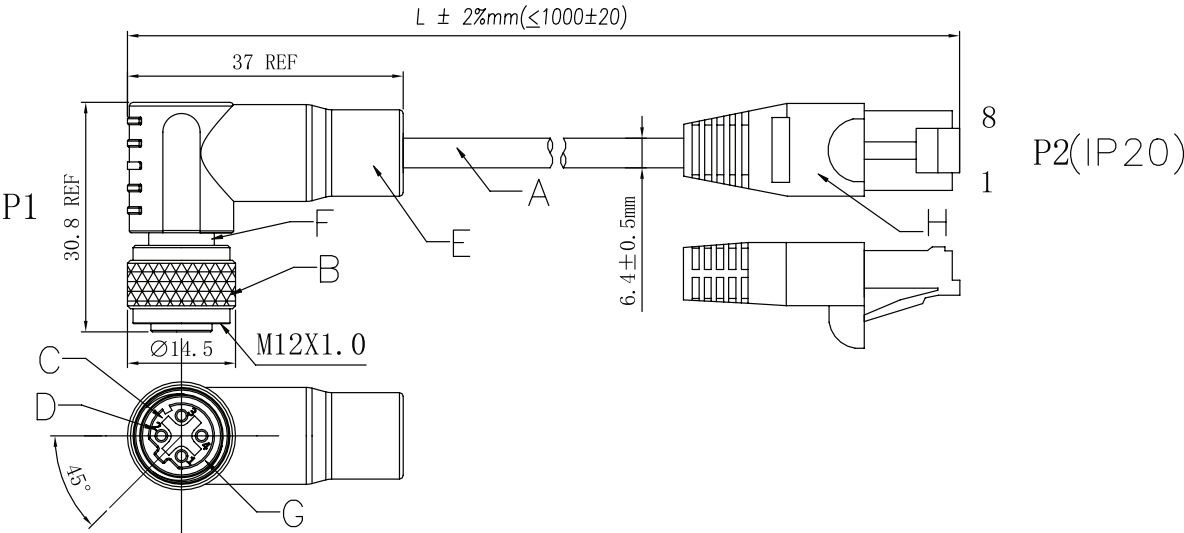
Base Number


Cable Length:  
05M = 0.5 m  
1M = 1 m  
2M = 2 m  
3M = 3 m  
5M = 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	cable	CAT5 (100 Mbps), UL2464, 26 AWG PVC jacket	
B	screw	brass	nickel
C	terminals; female	brass	gold
D	housing; female	PA66 (UL94V-0)	black
E	overmold	UL20549 PUR	black
F	shield pipe	brass	nickel
G	o-ring	FKM	green
H	connector	RJ45 8PIN shield shell	black



No. of Poles	4																		
D-Coding																			
Cable	26 AWG twisted pair X 2C + AL + Braid OD: Ø6.4 mm																		
Wiring	<table><thead><tr><th>P1 (M12)</th><th></th><th>P2 (RJ45)</th></tr></thead><tbody><tr><td>1 Yellow</td><td></td><td>1</td></tr><tr><td>3 Orange</td><td></td><td>2</td></tr><tr><td>2 White</td><td></td><td>3</td></tr><tr><td>4 Blue</td><td></td><td>6</td></tr><tr><td>Shield Braid</td><td></td><td>Shield</td></tr></tbody></table>	P1 (M12)		P2 (RJ45)	1 Yellow		1	3 Orange		2	2 White		3	4 Blue		6	Shield Braid		Shield
P1 (M12)		P2 (RJ45)																	
1 Yellow		1																	
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Shield Braid		Shield																	

REVISION HISTORY

rev.	description	date
1.0	initial release	05/15/2024

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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[CDM1278-04D-01FRA-05M-RJ45-67](#) [CDM1278-04D-01FRA-2M -RJ45-67](#)