

SERIES: CDM1259 | **DESCRIPTION:** M12 CABLE**FEATURES**

- M12 molded female cable connector
- D code
- straight
- 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	M12: IP67 (in mated condition) RJ45: IP20				

PART NUMBER KEY

CDM1259 - 04D - 01FST - XXX - RJ45 - 67

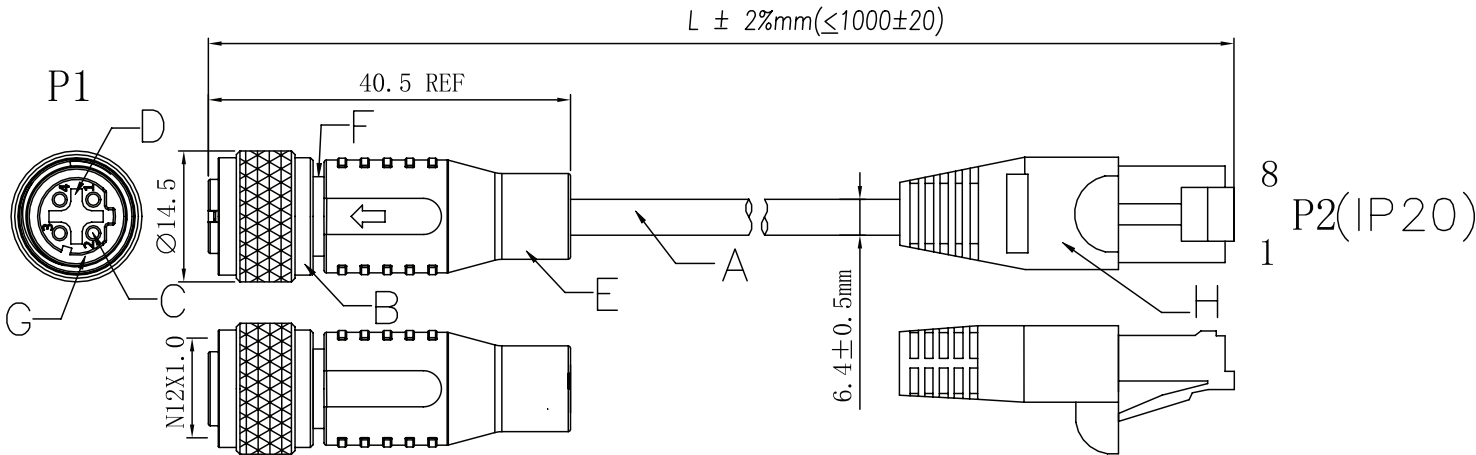
Base Number

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	M12x1.0 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 colspan="2">P1 (M12)</th><th colspan="2">P2 (RJ45)</th></tr></thead><tbody><tr><td>1</td><td>Yellow</td><td></td><td>1</td></tr><tr><td>3</td><td>Orange</td><td></td><td>2</td></tr><tr><td>2</td><td>White</td><td></td><td>3</td></tr><tr><td>4</td><td>Blue</td><td></td><td>6</td></tr><tr><td>Shield</td><td>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
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REVISION HISTORY

rev.	description	date
1.0	initial release	05/10/2024

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



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