

# M8 Sized & Sealed Circular Connector

## CM08 Series(Overmolded Cable Assembly)



Conforming Standard  
NECA 4202

Waterproof  
IP 67

Size  
M8

Lock Type  
Threaded Coupling



### ◆ OUTLINE

The CM08 series is a small sized and sealed circular connector developed for the connection of various sensor equipment. This series conforms to NECA 4202, official standards of the Japan Electric Control Equipment Industry Association. The use of the CM08 series will drastically decrease wiring work man-hours needed to connect sensors. The mating screw is downsized to M8. This meets recent needs for compact equipment. The CM08 series can be used in harsh environmental conditions, having IP67 rated for protection against moisture and dust.

### ◆ APPLICATIONS

1. Various sensors
2. Measurement equipment, medical equipment, telecommunications equipment, and various other electronic and electric equipment

### ◆ SPECIFICATIONS

Rated Voltage	125V DC
Rated Current	1A / Contact
Dielectric Withstanding Voltage	1,000V AC (rms) for 1 minute
Insulation Resistance	100M Ω Min. at 500V DC
Protection Rate	IP67 when mated
Pin Contact Size	φ 1.0mm
No. of Contacts	3 and 4

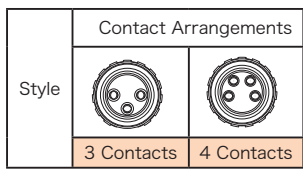
### ◆ MATERIALS/FINISH

Insulator	Plastic(UL94V-0)/Gray
Contact	Copper Alloy/Gold Plating
O-Ring	Synthetic Rubber/Black
Coupling Ring	Copper Alloy/Nickel Plating
Over Molding	Plastic(UL94V-0)/Black



### Specifications of cable

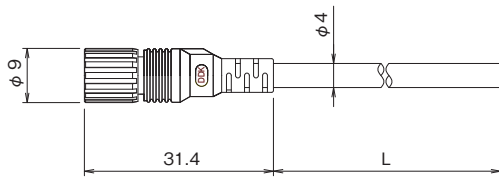
- 1.Heatproof vinyl insulation. Heat and oil resistant PVC sheathed cables
- 2.Finish outside diameter : φ 0.4mm
- 3.Cable Conductor size : 0.2mm<sup>2</sup>



© Specifications and/or dimensions in this catalog are subject to change without notice.  
Your checking the latest specifications with our drawings would be highly appreciated.

### ▶ Plug Single-Ended Cable Assemblies

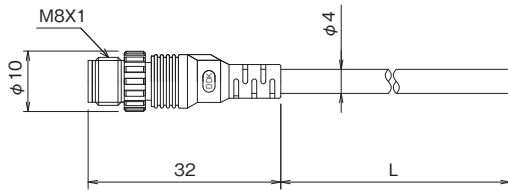
- Plug connector with socket contacts



L	3 Contacts	4 Contacts
0.5m	CM08-P3S-005-CF	CM08-P4S-005-CF
1.0m	CM08-P3S-010-CF	CM08-P4S-010-CF
2.0m	CM08-P3S-020-CF	CM08-P4S-020-CF
3.0m	CM08-P3S-030-CF	CM08-P4S-030-CF
5.0m	CM08-P3S-050-CF	CM08-P4S-050-CF

### ▶ Jack Single-Ended Cable Assemblies

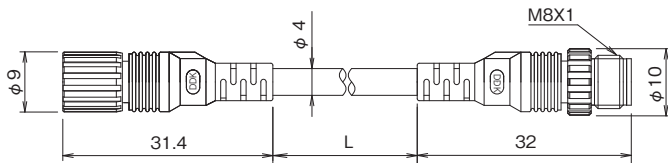
- Jack connector with pin contacts



L	3 Contacts	4 Contacts
0.5m	CM08-J3P-005-CF	CM08-J4P-005-CF
1.0m	CM08-J3P-010-CF	CM08-J4P-010-CF
2.0m	CM08-J3P-020-CF	CM08-J4P-020-CF
3.0m	CM08-J3P-030-CF	CM08-J4P-030-CF
5.0m	CM08-J3P-050-CF	CM08-J4P-050-CF

### ▶ Plug and Jack Double-Ended Cable Assemblies

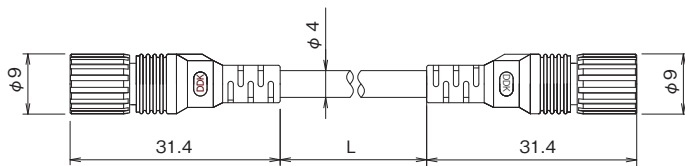
- A plug connector with socket contacts and a jack connector with pin contacts



L	3 Contacts	4 Contacts
1.0m	CM08A-P3S-010-CF	CM08A-P4S-010-CF
2.0m	CM08A-P3S-020-CF	CM08A-P4S-020-CF
3.0m	CM08A-P3S-030-CF	CM08A-P4S-030-CF
5.0m	CM08A-P3S-050-CF	CM08A-P4S-050-CF

### ▶ Plug Double-Ended Cable Assemblies

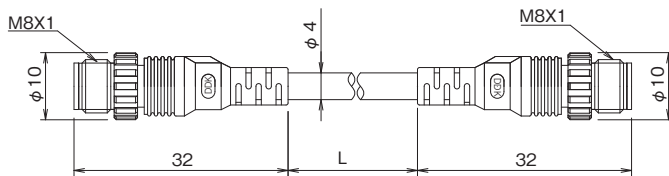
- Plug connectors with socket contacts on both ends



L	3 Contacts	4 Contacts
1.0m	CM08B-P3S-010-CF	CM08B-P4S-010-CF
2.0m	CM08B-P3S-020-CF	CM08B-P4S-020-CF
3.0m	CM08B-P3S-030-CF	CM08B-P4S-030-CF
5.0m	CM08B-P3S-050-CF	CM08B-P4S-050-CF

### ▶ Jack Double-Ended Cable Assemblies

- Jack connectors with pin contacts on both ends



L	3 Contacts	4 Contacts
1.0m	CM08C-J3P-010-CF	CM08C-J4P-010-CF
2.0m	CM08C-J3P-020-CF	CM08C-J4P-020-CF
3.0m	CM08C-J3P-030-CF	CM08C-J4P-030-CF
5.0m	CM08C-J3P-050-CF	CM08C-J4P-050-CF