

## New Products

### CM21 series over-molded cable assembly for Industrial Ethernet

The CM21 series is a cable with connectors developed for the Industrial Ethernet.

The CM21 series conforms to IEC61076-2-101 M12 D-Coding standard. It can be used as an interface for the Industrial Ethernet in a care-free manner.

The operators can reduce the working process because it is delivered as an over-molded cable assembly.

#### Features

##### 1. Mating method

Two positioning keys conforming to IEC61076-2-101 M12 D-Coding standards prevent the operators from inappropriate connection.

By the adoption of M12 (1mm pitch) thread for the coupling ring, the smooth mating and de-mating were achieved.

##### 2. Water-proof and dust-proof structure (IP67)

The plug connector has an O-ring to completely prevent water and dust from intruding inside when the connectors are mated.

##### 3. Combination of connectors for cable assembly

The cable assembly of a CM21 connector and a modular plug can also be provided for the Ethernet use.

**Table 1. Specifications.**

	CM21 Jack/ CM21 Plug	CM21 Jack/ Modular Plug	CM21 Plug/ Modular Plug	Both ends Modular Plug
Rated Current	3A/Contact	1A/Contact		
Rated Voltage	DC30V			
Dielectric Withstanding Voltage	AC 1,000 V (r.m.s)/1 min			
Insulation Resistance	Min 100 MΩ / DC 500 V			
Operating Temperature	-25 °C ~ +70 °C			
Water Proof	IP67 (Mated)	CM21 : IP67 (Mated) Modular Plug : IP20		IP20
Number of Contacts	4			



**Fig. 1. Appearance.**



**Fig. 2. Over-molded cable assembly.**

#### [Information]

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