

FO-BD7 Series (Outdoor Environmentally Resistant Optical Connector with Thermal Management Design)

Outdoor Environmentally Resistant Optical Connector with Thermal Management Design



Base stations for mobile devices are an important communication infrastructure. Along with the high-performing, high-speed, large-volume network transmission, thermal management has become a major focus of attention of modern, miniaturized base stations. These base station, communicating with core networks, have designed in optical modules which can easily be affected by heat and tends to be a common problem during the design process of the base stations. It is common for optical modules requiring replacement once the base station is installed, and as this being a complex process the expectation relies on connectors to be easily replaced. To cater to these demands JAE has launched an environmentally resistant optical module incorporated plug connector, FO-BD7 Series, for outdoor use.

Features

- Thermal countermeasure by installing an optical module within the plug connector
- Seamless optical module replacement process
- IP67 rated water / dust ingress protection
- Environmental resistance ideal for outdoor applications

Applications

Base stations for mobile phones and smartphones., - Outdoor installed equipment, such as security cameras.

General Specifications

Applicable Cable Diameter	5 mm
Repeated Mating	Mating area: 50 times LC Connector area: 100times
Cable Clamp Strength	100N min.

Dustproof And Waterproof Performance	IP67 (when mated)
Corrosion Resistance	1,000 hours of salt spray
Operating Temperature Range	-20 deg.C to +65 deg.C (Individual connector)

Notice

1. The values specified in this web site are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products.

For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
3. The products presented in this web site are designed for the uses recommended below. We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

- * Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster evention equipment, etc.

- * We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

- * Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc

4. The products presented in this web site include some products (or components) that fall into the category of "restricted export items" prescribed in Foreign Exchange and Foreign Trade Law. Export permission by the Japanese government is required for exporting or taking any of these products out of Japan. Please contact our sales staff for these items.