



JAE Europe, Ltd.  
Royal Pavilion, Tower 3, First Floor, Wellesley Road,  
Aldershot, Hampshire, GU11 1PZ, UK



+49-2103-92984982  
Mr. Otniel Rinaldo  
(Strategic Product Sales Manager)



RinaldoO@jae-europe.de



<https://www.jae.com/en/releases/detail/id=107378>  
<https://www.jae.com/en/releases/detail/id=107393>



<https://vimeo.com/736112773>



## 01 | Company Introduction

Since our establishment in 1953, we at JAE, under the corporate philosophy of "Explore, Create and Practice", have successfully developed and globally expanded our three core business areas of connectors, user interface related devices, and aviation electronics supported by our outstanding development capability in innovative and creative technologies. With our global corporate slogan "Technology to Inspire Innovation", JAE focuses on technological development and product creation that inspire customer's innovation. For many years, as a basic management policy, JAE has promoted global business expansion based on the consolidated management of the JAE Group including all its subsidiaries; enhancement of global marketing and product development capabilities; and innovation of product quality and manufacturing technology, in order to gain a high level of trust as partners with our worldwide customers. All staff of the JAE Group, as good corporate citizens, will strive together to contribute to the prosperity of 21st century society.

## 02 | Products Details

### FO-BD7D Series Weather-resistant Optical Connector



FO-BD7D is an optical pluggable connector for outdoor use which can be assembled on-site. This connector series addresses common thermal issues caused by optical modules by embedding the optical module into the FO-BD7D plug. With the optical module embedded into the plug connector, field technicians can mate and assemble the optical harness while safely on the ground rather than assembling on the installed base station.

In contrast to the FO-BD7 Series, which is already for sale, the FO-BD7D Series is compatible with an LC duplex connection. It is possible to attach the general-purpose LC harness to the connector rather than a custom harness, making it more convenient to use.

## **JL10/W Series Outdoor Environmentally Resistant Circular Connector**

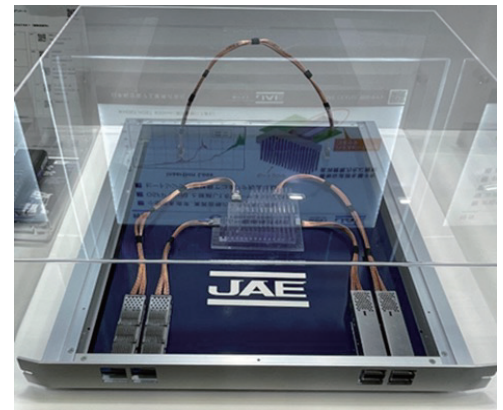


The JL10/W Series connectors are IP67 rated water and dustproof, and use a special electro-deposition coating on the outer components for high environmental durability. The connectors feature outstanding ease of operation and allow for reliable mating with a one-touch mate and lock mechanism.

In addition to the conventional contact pin arrangement, 22-22, we have added a variation with a new contact arrangement, 22-A3. We will continue to respond to a wide variety of market needs by developing new connectors such as this to add to our existing product lineup.

## **224Gbps Jumper Cable Interconnect solution**

As requirements for data transmission speed is reaching upper limit of existing printed circuit board (PCB) technologies, it is becoming more difficult to realize constant and reliable data transmission performance. To solve this problem, JAE and Yamaichi Electronics jointly developed a jumper cable interconnect solution which can perform stable data transmission at 112Gbps/224Gbps PAM4 signaling.



This interconnect solution has been designed with a compact connector size to be able to fit in a high density design requirement, and can be utilized in several different usages including direct jumper cabling from the front panel pluggable IO to host chip, or the internal chip to chip connection.