FUJIKURA NEWS 2

2021
No.474

Fujikura Modern history -10

Delivery of Cables to Osaka Expo '70 and 1972 Winter Olympics in Sapporo

Fujikura supplied different cable technologies to the Mitsui Group pavilion at the 1970 Osaka Expo. In 1971, the company joined up with Oki Electric Industry Co., Ltd to deal with the diversification of communication systems with the development of information society. In addition, Fujikura continued to observe snow and ice accretion on power lines in snowy areas and ran tests including those on the lines using winds and developed many new components. At 1972 Winter Olympics, first held in Asia, Fujikura played an important role by undertaking the sole responsibility of providing weather-resistant communication cables. The cables included those for the subway between Sapporo and the main arena stations and those to transmit TV images from NHK Sapporo Station to the world by satellite coverage.

Mt. Eniwa Ski Downhill Facilities of Sapporo Winter Olympics

Power & Telecom

The Fujikura Group's Two Products Registered in NETIS Are on Display at Construction Technology Pavilion of Kanto Technical Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism

Construction Technology Pavilion of Kanto Technical Office, Kanto Regional Development Bureau, the Ministry of Land, Infrastructure, Transport and Tourism was reopened to the public on December 2 after being renovated. The exhibits now include the following two products that Fujikura and Fujikura Dia Cable applied for registration in New Technology Information System (NETIS). These products will be displayed for two years as part of the 15th renewed technologies.

Both companies will proceed with offering information telecommunication products to support the creation of a sustainable society.

- NETIS registration number【KT-190087-A】
  Fujikura
  Ultra-high density Wrapping Tube Cable ® (WTC ®)
- NETIS registration number【KK-180001-A】
  Fujikura Dia Cable
  Foam Insulation type Leaky Coaxial Cable

In addition, the themes to realize a sustainable society for the reopening of Construction Technology Pavilion are:

★ New technology to create Society5.0
★ Prevention and reduction of disasters, strengthening of the land, technology for longer-life infrastructure

Please visit the facility providing you with hands-on experience through watching, touching, and learning.

※Construction Technology Pavilion of Kanto Technical Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism
http://www.kense-te.jp/

※Refer to the access below:
6-12-1 Goko-nishi, Matsudo City, Chiba Prefecture, 270-2218
Take a bus from either station below:
Shin-Yabashira station, JR Musashino Line or Yabashira Station, Shinkeisei Line
http://www.kense-te.jp/about/#accessmap

Optical Cable System Division telcon@jp.fujikura.com
Fujikura Dia Cable Ltd. https://www.fujikura-dia.co.jp/contact/

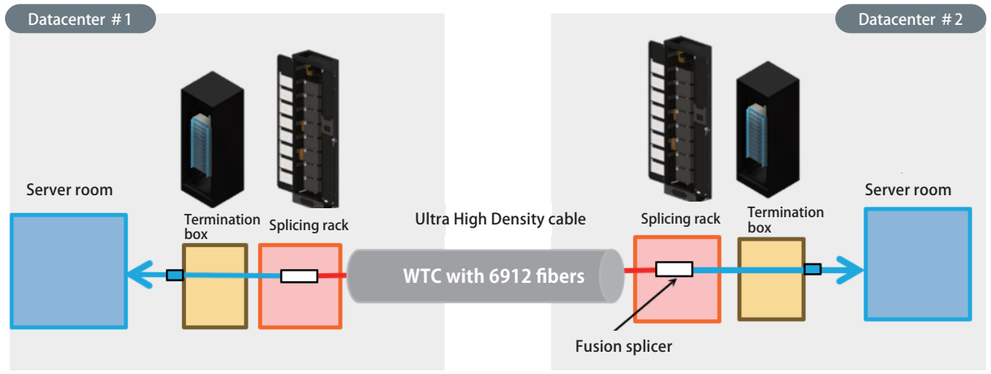
Power & Telecom

Two Solutions for Installation of Ultra High Density Cable between Data Centers

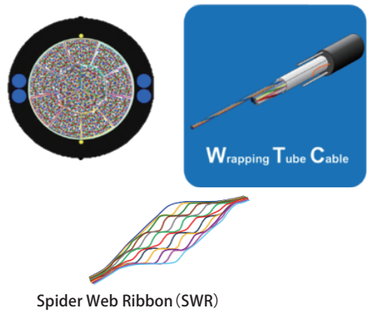
Data traffic is increasing day by day with the current expanding use of video distribution, Cloud and other services. In step with the trends, data centers have grown in size and thus constructing information networks efficiently and economically has become an important challenge. Fujikura has already put on the market ultra-high 3,456 fibers and 6,912 fibers optical cables, the Wrapping Tube Cable®(WTC®), to enable large-capacity high-speed data communication.
On the other hand, while the number of optical cables used grows, improved efficiency in connecting and branching work and storing a larger number of fibers are required more than ever before. Therefore, we have provided high-density cabling technology and the other solution to decrease the number of processes. These solutions were accomplished by employing a structure of optical fiber cable tray and splice rack that take advantage of easy-to-accommodate feature of the Spider Web Ribbon ®(SWR®) and that allows multiple people to fusion splice simultaneously.
The introduction of Ultra High Density cable with connectors has already been started by some data center operators while an increasing number of operators worldwide are considering installing them in the future. Since demands for higher-count optical fiber cables are expected to last from now on, we will further develop cabling solutions as well as optical fiber cables with an even higher fiber-count and smaller radius.

Installation method Ultra High Density cable

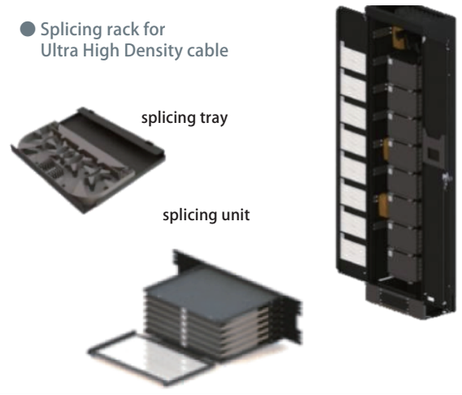
- a maximum of 13,824 optical fibers are accomodatable
- High-density installation and storage capability of optical fiber twice that of traditional product
- Reduced splicing time to one fifth of what it used to be



● Ultra High Density cable

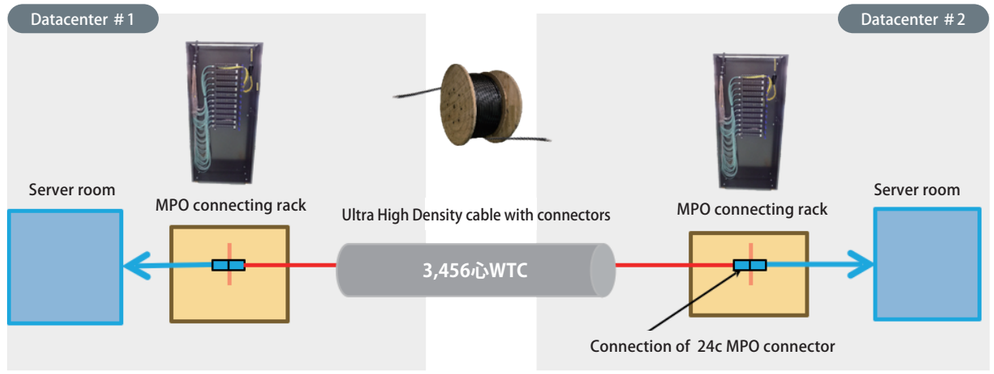


● Splicing rack for Ultra High Density cable

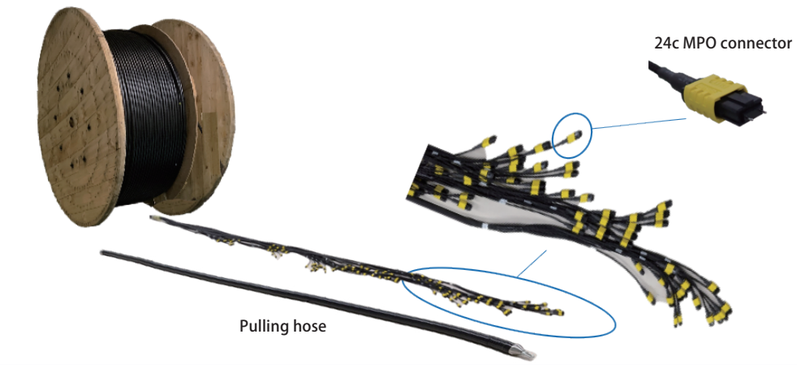


NEW Cabling method for u Ultra High Density cable with connectors

- Connectable to device with MPO connector attached to both ends immediately after installation
- Installable in harsh environments with traction tube to protect MPO connectors
- Small diameter and compactness to permit additional installation in ducts where cables have been already laid



● Ultra High Density cable with connectors



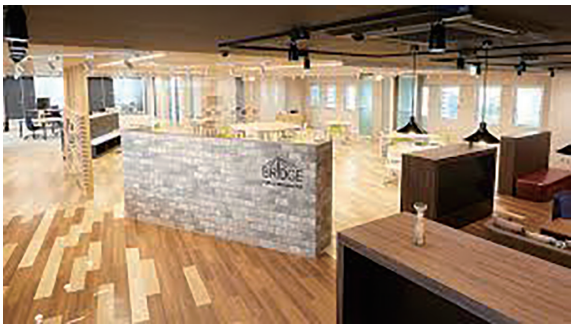
Optical Cable System Division telcon@jp.fujikura.com

Information

QoL (Quality of Life) Online Seminars held at BRIDGE

One of the roles of the innovation hub "BRIDGE" is to cultivate an innovation culture.
BRIDGE has promoted interaction with a variety of people inside and outside the company, and has formed a community where collaboration that transcends organizational boundaries can be born.
However, due to the coronavirus crisis, it has become increasingly difficult to promote value co-creation in the same way as before. Faced with new work styles such as remote work, fostering an innovation culture became even more demanding.
We therefore, considered what was required to deal with this new normal, and planned a series of online seminars entitled "Re-Start under the pandemic" to think about working styles and quality of life (QoL).
Three themes we came up with were, "motivation", "health management," and "communication."
The first seminar was conducted in November last year by a psychiatrist with the theme of "motivation" exploring what was happening in people's mental condition at this difficult time and types of mental state we should be aware of in transition to the new normal. The lecture provided us highly effective suggestions based on latest academic findings. Following seminars to be held are "health management" using medicinal cooking that boosts immunity, and "communication" in the remote work era.
BRIDGE will continue to flexibly contribute to creating innovation culture and co-creating value.

● Seminar on motivation by psychiatrist



BRIDGE
Fujikura Innovation Hub

Innovative Business Development Division ask-bridge@jp.fujikura.com

Fujikura Fujikura Ltd.

"Tunagu" Technology New Product News No.474
1-5-1, Kiba, Koto-ku, Tokyo, Japan 135-8512
TEL. +81 (0) 3 5606 1112 FAX. +81 (0) 3 5606 1501
Issue :February 2021, No. 474 Editor in Chief : Tomoharu Morimoto
https://www.fujikura.co.jp

Market Research & Planning Department +81(0)3 5606 1092
Kansai Office +81(0)6 6364 0373
Chubu Office +81(0)52 212 1880
Tohoku Office +81(0)22 266 3344
Kyushu Office +81(0)92 291 6126