

Case Study

# Data Center Cabling Solution

India Entertainment Enterprise  
Constructs New High-Density Data  
Center with FS Cabling Solution

An Indian entertainment company collaborated with FS to implement the FHD® series of high-density, future-oriented structured cabling solutions and successfully constructed a new data center. The solution is designed for 10G-40G cabling connections and is prepared for a seamless upgrade to 100G in the future.

## India Entertainment Enterprise Constructs New High-Density Data Center with FS Cabling Solution


### Country

 India

### Network Type

 Enterprise Data Centers

### Industry

 Sports, Media and Entertainment

### Solutions

 Data Center Cabling

### Highlights

- Enabled 40G-4x10G connectivity while reserving readiness for future upgrades to 100G.
- Reduced time and cost of cable management with a highly flexible and modular pre-terminated cabling system.
- 1 on 1 tech teams prepared well ahead of time with an approved network design with a shortened project delivery time

### Key Stats

- The cabling system can accommodate a maximum of 1152 fibers, significantly enhancing network density and scalability.
- Benefitting from a robust supply chain, the design-to-delivery process takes only 2 weeks, 4 times faster than other companies.
- Cabling products facilitate tool-free installation and enhance cabling efficiency by around 30%.



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### Overview

The Indian entertainment company, established in 1916, boasts an award-winning team of artists and technical experts. They collaborate with the global creative community to bring artistic storytelling experiences to audiences. With a focus on providing high-quality visual services to the worldwide entertainment, media, and advertising industries, the company requires robust network support for optimal performance. They have a plan to construct a new data center for 10G-40G links, with provisions for a seamless upgrade to 100G in the future.

### Challenges

Improper cable management in the old data center can result in network interruptions, causing inconvenience to IT operations and disrupting normal business activities.

The new data center construction project has a tight timeline. Our partner aims to deliver the fiber optic cabling system within one month, ensuring the prompt provision of uninterrupted network services to users.



### Solutions

The company partnered with FS to address a reliable data center fiber optic cabling system using high-density, future-oriented structured cabling solutions from the FHD® series.

The company achieved a 40G connection in building a more flexible and scalable data center with a future upgrade potential to 100G. FS recommended the FHD®

series products, including FHD® 1U sliding fiber enclosure, 24F 3 x MTP®-8 cassette, MTP® trunk cables, etc. The FHD® 1U sliding fiber enclosure can accommodate 4 cassettes, managing a maximum of 1152 fibers (MTP®-24). Additionally, the company got convenience for future speed upgrades, which can be achieved using the MTP® cassettes and MTP® breakout cables. This solution offers cost-effective upgrade options, providing flexibility and scalability to the data center.

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Our partner has many fiber cables in its old data center, making cabling maintenance and management difficult. With FHD® fiber cassettes and high-density modular cabling products, data center administrators can easily identify and address cabling issues promptly. These solutions include labeling for easy identification of channels and polarity. FHD® 1U sliding fiber enclosure is equipped with a 15° sliding and tilt-down mechanism, providing convenient access to fiber cables while ensuring proper slack and spooling of rear wires. This design helps minimize cable twisting and damage. Achieve professional cable management by incorporating FS vertical cable managers and zip ties inside the cabinet, providing the benefit of easy future maintenance.

The company can enjoy rapid deployment of its fiber optic cabling system with FS and its global warehouses. FS expert team can complete the entire process from requirement gathering to design and delivery within two weeks, while other companies typically take two months. We have a prompt response to customer needs in regions like the United States, Europe, Australia, and Singapore. Enabled our partners to quickly deploy projects and enhance business efficiency by collaborating with international logistics and local express companies.



## Results

The local technical team provides installation services that save time within one week and reduce costs by 30-40%. Cabling products facilitate tool-free installation and enhance cabling efficiency by around 30%.

The company built and operates an efficient fiber optic cabling system for its new data center. With reliable solutions, they can deliver visually captivating content and immersive virtual experiences to their users, meeting the demands of today's digital-driven world.



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