

Fiber Management System 12/24F- (Rack Mount)



As communication networks continue to evolve, the need for efficient fiber management systems becomes more and more crucial. A Fiber Management System (FMS) plays a vital role in managing optical fiber connections and ensuring uninterrupted communication between devices. Among the various types of FMS available, the Rack Mount Fiber Management System is widely used due to its compact design and high-density capacity.

Savitri, a leading manufacturer in this domain, offers a range of Rack Mount FMSs compatible with industry-grade fiber adaptors. Their 12/24F Rack Mount FMS is a multifunctional unit designed for specific applications and environments. It consists of two key components- Fiber Termination and Fiber Distribution- within the same frame assembly, delivering high performance and stability. With its fiber in and fiber out ports, this FMS provides an efficient solution for managing fiber-optic connections from outside the fiber rack to the fiber routers. Whether it's for data centers, telecommunication networks, or other industries, Savitri's Rack Mount FMS is a reliable solution for all your fiber management needs.

KEY APPLICATIONS

- Backbone, Telecommunications Room, Main Distribution Room, Outside Plant, Mining & Military, Road & Rail.
- Industrial Uses, Transmission boxes for substation, CCTV & FTTH Applications, Factory and automation applications.

KEY FEATURES

- Fixed or sliding type rack mount FMS made up of high quality CRCA steel.
- 24 ports within tour '1U' of rack space.
- Assortment of standard coupling plates.
- Suitable for any electronic equipment rack.
- Accommodates up to 12/24F (simplex/duplex) & pigtails like FCPC, SCPC, LCPC, STPC, E2000PC, FCAPC, SCAPC, LCAPC, E2000APC etc.
- Individual and modular coupler plates with "GLIDE" mounting system.
- Provides maximum protection of optical components.
- Available in 2U (24 fibers), 3U(48 fibers) and 4U(96 fiber) sizes.
- Excess length of pigtail storage provided inside the shelf to maintain the bend radius of pigtail.
- 100% tested for mechanical & optical characteristics to ensure accurate functioning and reliable service life.

KEY BENEFITS

- High-quality CRCA steel construction ensures durability and reliability of the FMS.
- 24 ports in a 1U rack space provides a high-density solution for fiber management.
- Assortment of standard coupling plates make it compatible with a wide range of fiber optic connectors.
- Suitable for any electronic equipment rack, making it easy to integrate with existing equipment.
- Accommodates a variety of fiber types and connector types, offering flexibility in designing fiber networks.
- Individual and modular coupler plates with the "GLIDE" mounting system make installation and maintenance easy and efficient.
- Maximum protection of optical components ensures reliable performance and reduces downtime.
- Available in multiple sizes to accommodate different fiber counts and meet specific needs.
- Excess pigtail storage maintains the bend radius of pigtail, minimizing signal loss and ensuring reliable performance.
- 100% tested for mechanical and optical characteristics, ensuring accurate functioning and a reliable service life.

Technical Specifications

Material	CRCA steel with 7-tank process powder coating for durability and corrosion resistance.
Color	Available in various colors including RAL 7035 and Black.
Depth (mm)	435 mm to fit standard 19" racks.
Width (mm)	280 mm to fit standard 19" racks.
Size (mm)	45 mm (1U) to fit standard 19" racks.
Weight (Kg)	4 Kg for easy installation and handling.
Maximum capacity of fiber	24 fibers to accommodate small to medium-sized fiber networks.
Number of splice tray	2 splice trays for organizing and managing fiber connections.
Size of splice tray (LxWxH)	200x100x12 mm to accommodate up to 12 fibers per tray.
Fiber capacity of each splice tray	12 fibers for efficient organization and management of fiber connections.
Fiber components standard	Telcordia GR-326 for high-quality and reliable fiber connections.