

Sri Lanka Fiber Optic Cable Laying Rack Wall-Mounted Installation Solution

Article Overview

Wall-mounted fiber optic cable racks in Sri Lanka, such as the 5U CH-R series by Cubicoan, provide secure, ventilated, and ISO-certified solutions for network and IT installations.

Key Features of Wall-Mounted Racks

- o **Material and Build:** Premium racks are typically made from zinc-coated steel, ensuring durability and corrosion resistance, suitable for both indoor and commercial environments (Sys Rack 5U CH-R) .
- o **Load Capacity:** Many models support over 80kg, accommodating multiple network devices, fiber patch panels, and switches .
- o **Ventilation:** Low-profile designs with ventilation strips allow heat to escape, preventing hotspots and maintaining optimal equipment performance .
- o **Access and Security:** Features include left-swing tinted glass doors, removable side panels, and lockable doors, providing both security and easy maintenance access .
- o **Standards Compliance:** EIA-310D compliant mounting profiles ensure compatibility with standard 19" network equipment .

Local Suppliers and Solutions

- o **Cubicoan Pvt Ltd:** Offers 5U wall-mounted racks and a range of network enclosures, fully designed and manufactured in Sri Lanka under ISO9001 certification. They provide customization options for ventilation, fan integration, and cable management .
- o **East Link Engineering Co.:** Supplies 19" racks, cable management products, and fiber optic solutions, with direct import and local manufacturing capabilities. They also provide Molex and 1k Com fiber cables for high-speed connectivity .
- o **Micro Bytech Trading:** Specializes in structured cabling, network racks, and connectivity solutions, offering tailored solutions for government, telecom, and commercial IT infrastructure .

Installation Considerations

- o **Wall Strength:** Ensure the mounting wall can support the rack and equipment weight. Reinforced walls or mounting brackets may be required .
- o **Space and Ventilation:** Verify dimensions to allow proper airflow and maintenance access. Avoid obstructing vents or doors .
- o **Power Supply:** Ensure nearby electrical outlets or PDUs are available for powering network devices .
- o **Cable Management:** Use integrated cable organizers or additional trays to prevent tangling and maintain fiber integrity .

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Additional Recommendations

- o Consider racks with pre-installed fans or cooling options for high-density fiber installations .
- o For CCTV or telecom setups, choose racks with lockable doors and side panels to secure sensitive equipment .
- o Evaluate customizable options for rack height (4U-24U) and PDU types (C13, C19) to match your network requirements . By selecting a locally manufactured, ISO-certified wall-mounted rack, you ensure durability, compliance with international standards, and ease of maintenance for fiber optic and network installations in Sri Lanka.

Explore our range of Molex copper CAT6 and CAT7 and fiber cables for reliable and high-speed network connections.

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The objective of this document is to be an optical fibre cable installation and laying guide, addressed to new installers, also being



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3U Wall-mounted network racks, manufactured and sold in Sri Lanka by Cubicoan Pvt Ltd, provide secure, durable solutions for

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