

Price of Three-Cable Separator in Data Center



Overview

Kable Kontrol Tray Divider – Tray Dividing and Cable Routing This cable management tray comes in 4 different width sizes which includes 4, 6, 8, and 12 inch.

Key Takeaways

Three-cable separators for data centers typically range from \$5 to \$50 per unit, depending on material, size, and performance specifications.

Overview
Three-cable separators are critical components in data centers, ensuring proper spacing between conductors, minimizing signal interference, and maintaining electrical safety. They are commonly made from high-performance polymers such as Nylon or PEEK, with PEEK offering superior thermal and dielectric properties but at a higher cost compared to Nylon. Plastic-based separators dominate the market, accounting for around 60% of global usage, particularly in high-density installations.

Price Factors

The cost of a three-cable separator depends on several factors:

- **Material:** Nylon is more cost-effective, while PEEK or other high-performance polymers can significantly increase the price.
- **Size and Design:** Larger separators or those designed for high-voltage or high-frequency applications are more expensive.

- **Supplier and Region:** Prices vary by manufacturer and region; sourcing directly from manufacturers in Asia, particularly China, can reduce costs .
- **Volume:** Bulk purchases for large data center deployments often reduce per-unit costs.

Market Context

The global cable separator market is growing steadily, projected to reach \$1.35 billion by 2035, with a CAGR of 3.9% from 2025 . Data center applications require separators with precise dielectric properties to minimize signal interference, which can slightly increase costs compared to standard power or telecom separators .

Procurement Guidance

For accurate pricing, it is recommended to request quotes directly from manufacturers or distributors, as prices fluctuate based on material, specifications, and order volume. Platforms like Made-in-China provide access to multiple suppliers offering competitive pricing and customization options . In summary, while a typical three-cable separator may cost \$5–\$50 per unit, the final price depends on material, performance requirements, and supplier selection, with high-performance PEEK separators at the upper end of the range .

Article Content

Kable Kontrol Tray Divider – Tray Dividing and Cable Routing

This cable management tray comes in 4 different width sizes which includes 4, 6, 8, and 12 inches. The length of all cable trays is

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Cable Tray Dividers

Whenever possible, power cables and data cables should be run in separate trays to prevent electromagnetic interference. When

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Cable Tray Divider

Kable Kontrol® Cable Tray Cable Tray Divider is used to divide the cable tray into two cable pathways. Helps to organize and divide

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

