A revolutionary bendable, foldable cabling solution ideal for tight spaces and transmitting signals over longer routes.

3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe Applications
High speed. Low profile.

Bend it, fold it, turn it — without compromising signal or data integrity.

Today’s world moves at the speed of information – and the pace is getting faster every day. To stay in the race, you need next-generation cabling solutions that can deliver the maximum speeds, performance and uptime your customers demand.

The 3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) is ideal for SAS and PCIe applications in today’s high density data centers, combining flexibility with the reliability you need to keep your systems running at top speed. Its unique ribbon construction enables folding and bending without adversely impacting performance. The ribbon’s foldability provides more freedom to design folded cable assemblies optimized to maximize system density, streamline system assembly and enhance airflow. Moreover, its low-profile enables it to be routed through narrow openings between server components (fans, memory, heatsinks, etc.).

Enabling a more elegant system design.

Custom assemblies using the 3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) can bundle multiple folded assemblies into a harness designed to maximize space utilization, optimize cooling (by orientating low-profile ribbon to minimize airflow obstruction) and streamline system assembly - all while maintaining excellent signal integrity.
With a lower profile than conventional AWG twin axial cables, the 3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) allows for a wider range of routing options and extremely tight bend radii for unique packaging configurations. Each fold* impacts impedance by no more than one to two ohms, well within the most demanding impedance specifications. Similarly, S-parameter performance metrics are not degraded, even with multiple folds.

*Ideal for static folded applications. Not intended for high-flex applications.
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Over 50 years of interconnect innovation.
The 3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) is the latest in a long line of 3M innovations in electronics cabling technology, including the first mass-termination interconnect system; the first 64 wire termination; color-coded flat cabling; the first IDC solution for I/O applications; foldable twin-ax cable and more – all designed to enable manufacturers to improve device performance, speed assembly and add more value to their products.

Regulatory: For regulatory information about this product, contact your 3M representative.

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