

3M™ Twin Axial External Cable Assembly Solutions

Low Profile, Highly Routable, High-Performance

Made with 3M Twin Axial Cable technology, the following external cable assemblies offer an ideal set of benefits for the most demanding of customers. The core cable technology allows 3M cable assemblies to be extremely low profile and light weight while virtually eliminating high-frequency resonance, allowing the cable to be folded and bent with minimal to no impact on performance. Save space, help improve airflow, and operate at up to 56 Gbps.

Key Advantages

- Excellent SI performance
- Extremely low profile
- Lightweight
- Tightly packaged ribbon cable format
- Extremely small bend radius enables most efficient routing
- RoHS compliant*

Applications

- High-performance computing clusters
- Data center networks
- IB and GigE switches and routers
- Storage, server, RAID and HBA applications

Targeted Industry Standard Protocols

- Infiniband FDR/QDR/DDR
- 10 and 40 Gigabit Ethernet (10GBASE-CU / 40GBASE-CR4)
- Fibre Channel and Fibre Channel over Ethernet
- SAS-2.0/2.1

3M™ Cable Assemblies for SFP+ Applications

- SFF-8431 compliant
- Delivers up to 10 Gbps per channel transmission rates
- Excellent crosstalk and insertion loss performance
- EEPROM for cable information and system communications
- Improved EMI shielding with spring metal strap on cable backshell
- Configurable ring-style pull tab (on top and bottom of cable)
- 30 AWG passive solutions support up to five meters



3M™ Cable Assemblies for QSFP+ Applications

- SFF-8436 compliant
- Delivers aggregate data bandwidth of 40 and 56 Gbps
- Excellent insertion loss and crosstalk performance
- EEPROM for cable information and system communications
- Passive solutions support up to five meters



3M™ High Routability External MiniSAS Cable Assembly, 8G26 Series

- SFF-8086/8088 compliant
- Meets and exceeds SAS 2.0 and 2.1 requirements (6 Gbps)
- High-bandwidth, low skew, excellent crosstalk performance
- Excellent durability and EMI resistance
- Various keying options and custom cable lengths available
- Passive solutions targeted to meet up to seven meters



Please contact your 3M sales representative regarding any Twin Axial Cable solution.

For more information, visit us at www.3Mtwinax.com.



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Electronic Solutions Division Interconnect Products

6801 River Place Blvd.
Austin, TX 78726-9000
1-800-225-5373
www.3Mtwinx.com

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