

Speed meets agility.

3M[™] Direct Attach Copper Twin Axial Cable Assemblies

Foldable, thin, and lightweight cabling solutions for data center, high-performance computing and other high-speed applications.

See cable management from a whole new angle.

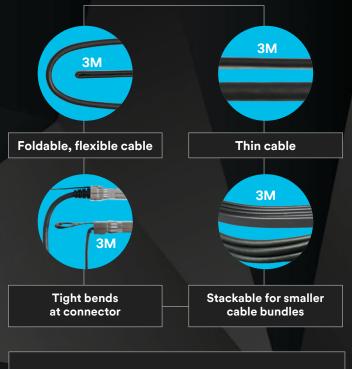
Flexible, foldable highperformance external twin axial cable solutions from 3M.

From delivering streaming media in flawless high definition to connecting businesses with global customers in real time, today's data centers have a need for speed. 3M[™] Direct Attach Copper Twin Axial Cable Assemblies help you keep servers, switches, storage and other high-speed equipment performing at the levels your customers demand.

Made with high-performance 3M[™] Twin Axial Cable technology, these direct attach copper cable assemblies are thin, flexible and lightweight with the ability to make tight bends with minimal to no impact on performance. Using the latest industry standard physical interfaces, they give you the ability to reach speeds up to 100 Gbps across a wide range of data center, high-performance computing and telecommunications applications.



3M[™] Direct Attach Copper Twin Axial Cable Assemblies, compared to competitive cable



Available form factors:

- QSFP-DD
 QSFP+
- QSFP28
 SFP+
- SFP28
- External miniSAS

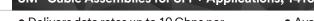
Cable management made smarter and simpler

3M[™] Direct Attach Copper Twin Axial Cable Assemblies are specially designed to be highly foldable and bendable with minimal to no impact on signal integrity and performance.

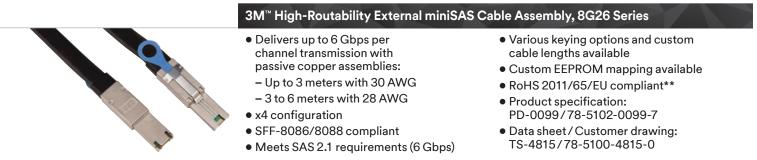
- Excellent rack cable management
- Stackability to create tighter cable bundles, helping to minimize obstructions to airflow
- Efficient routing of cable with tight bends and folds
- Less space required in front of the port, allowing rack doors to close
- Simplified serviceability with light, flexible cables

A cabling solution for many connection needs





- Delivers data rates up to 10 Gbps per channel with passive copper assemblies:
 - Up to 5 meters with 30 AWG
- 4 to 7 meters with 26 AWG
- Designed to meet the following industry-standard protocols:
 – SFF-8431 and SFF-8432; IEEE 802.3ae
- 10G Ethernet applications
- Tested at Open Networking Interoperability PlugFest (UNH-IOL)
- Available in black, red or blue PVC jacket options designed for port traceability and/or management of redundant network equipment
- Custom EEPROM mapping available
- RoHS 2011/65/EU compliant**
- Product specification: PD-0114/78-5102-0114-4
- Data sheet/Customer drawing: TS-2418/78-5100-2418-1 (black jacket) TS-2649/78-5100-2649-1 (red/blue jacket)



* 3.25 meter cable assembly meets IEEE802.3cd and 3.5 meter assembly meets IEEE802.3cd Channel Operating Margin (COM).

****RoHS 2011/65/EU Compliant:** "RoHS 2015/863" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU, as amended by EU 2015/863. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Over 50 years of interconnect innovation

3M[™] Direct Attach Copper Twin Axial Cable Assemblies are part of a long line of 3M firsts 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 help manufacturers to improve device performance, speed assembly and add more value to their products.

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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