

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

## Low Profile, Highly Routable, High-Performance

3M High Routability External MiniSAS Cable Assembly, 8G26 Series, is a passive copper cable assembly which utilizes 3M™ Twin Axial Cable technology to create a highly-flexible, foldable, high-performance solution, with up to 6 Gbps per lane, that meets and exceeds SAS 2.1 requirements.

The unique core cable technology allows 3M cable assemblies to be extremely low profile and lightweight while virtually eliminating high-frequency resonance, allowing the cable to fold and bend with minimal to no impact on performance. The cable's small bend radius enables efficient routing in tight spaces to achieve even greater density and help improve airflow.

3M external MiniSAS passive copper cable assemblies are ideal for storage, servers, switches and networking applications.

### Key Features and Benefits

- Made with highly-flexible, high-performance 3M Twin Axial Cable technology
- Up to 6 Gbps per channel transmission up to 6\* meters with 28 AWG passive copper assemblies
  - Passive solutions > 6\* meters in development
- SFF-8086/8088 compliant
- Meets and exceeds SAS 2.1 requirements (6 Gbps)
- High-bandwidth, low skew, and excellent crosstalk performance
- Excellent durability and EMI resistance
- Various keying options and custom cable lengths available
- Foldable and bendable with minimal to no performance impact
- RoHS compliant\*\*



3M™ High Routability External MiniSAS Cable Assembly

### Target Markets and Applications

- Enterprise
- Networking/Communications
- Data Centers
- High-Speed I/O Storage
- RAIDs, JBODs, HBAs
- High-Bandwidth Switches, Routers and Servers

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

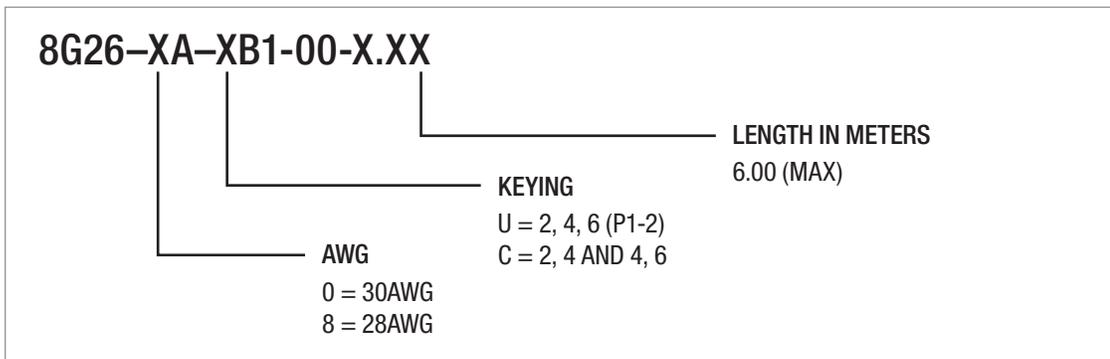
## Product Information

|                       |                           |   |
|-----------------------|---------------------------|---|
| <b>Specifications</b> | Product                   | Available upon request (Doc#: PS-0099)      |
|                       | Signal Integrity Data     | Available upon request                      |
| <b>Materials</b>      | Cable Type                | 8 twin axial pairs w/copper foil EMI shield |
|                       | Cable Jacket              | PVC; Color: Black                           |
|                       | Cable Flammability Rating | CL-2 (in progress)                          |
|                       | Backshell                 | Nickel plated zinc alloy                    |
| <b>Electrical</b>     | Impedance (cable)         | 100Ω +/- 5Ω                                 |
|                       | Withstanding voltage      | 300V DC                                     |
| <b>Environmental</b>  | Temperature Range         | -20°C to +80°C                              |

## Ordering Information

The following parts configurations are available on customer drawing 78-5100-4815-0.

Please reference this drawing for additional details and availability.



3M is a trademark of 3M Company.

\*Customers who do not require the SAS2.1 key rib 3 “blocking key” can utilize 3M External MiniSAS 28 AWG solutions up to six meters in trained systems. For strict adherents to the standard, this is typically required for cables >= 6 meters. Key rib 3 is a potential option which 3M may offer in the future.

\*\*“RoHS Compliant 2002/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. 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.

In the event any product is proven not to conform with 3M’s Regulatory Information Appendix, then 3M’s entire liability and Buyer’s exclusive remedy will be in accordance with the Warranty stated below.

### Important Notice

All statements, technical information, and recommendations related to 3M’s products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M’s current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

### Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M’s option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



### Electronic Solutions Division Interconnect Products

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

Please recycle. Printed in USA  
© 3M 2011. All rights reserved.  
80-4000-7015-9