

# 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

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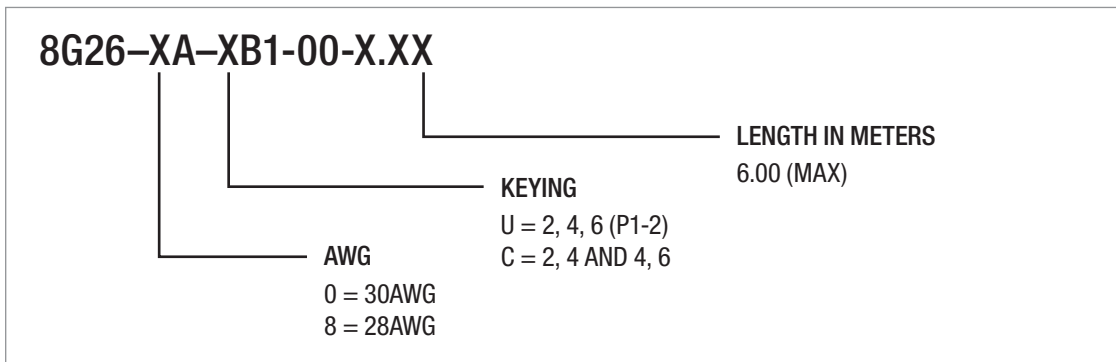
## Product Information

<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.



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\*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  $\geq 6$  meters. Key rib 3 is a potential option which 3M may offer in the future.

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