

Maximize your Budget in AI and ML Deployments with Flexible 400G and 800G Copper High-Speed Cable Assemblies



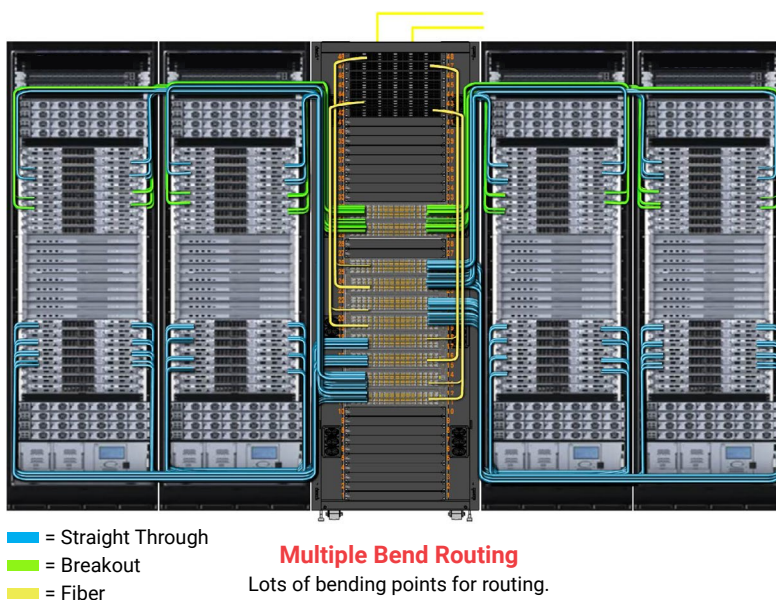
The Density Challenge

With the rise of higher-speed AI workloads and cloud computing demanding increased bandwidth, traditional copper cabling solutions are being pushed to their limits and connection density is increasing. However, a new generation of flexible bend direct attach copper (DAC) and active copper (ACC/AEC) cables are emerging as a game-changing solution for modern data center architectures looking to reduce power and stay on budget to support their growing GPU needs where active optical connections might struggle with heat and tight bends.

Engineered for Flexibility

The latest generation of flexible bend copper cables represents a significant leap forward in cable design. These cables are specifically engineered for:

- 1 Horizontal routing of complex rail-optimized switch to server installations
- 2 Middle of row 5 cabinet and 9 cabinet scalable units
- 3 High-density top-of-rack (or) middle-of-rack configurations
- 4 Tight spaces and challenging routing paths
- 5 Short reach high-density spine all-to-all switch to switch connections



Multiple Bend Routing
Lots of bending points for routing.

The Siemon Difference



Cables available in half-meter lengths



Interoperability with leading manufacturers equipment



Short lead times for standard configurations



Factory tested to meet or exceed industry standards



Passive DAC, AEC re-timer and ACC re-driver cables



Available in six colors in LSZH compliant mesh



[Click Here for Test Results](#)

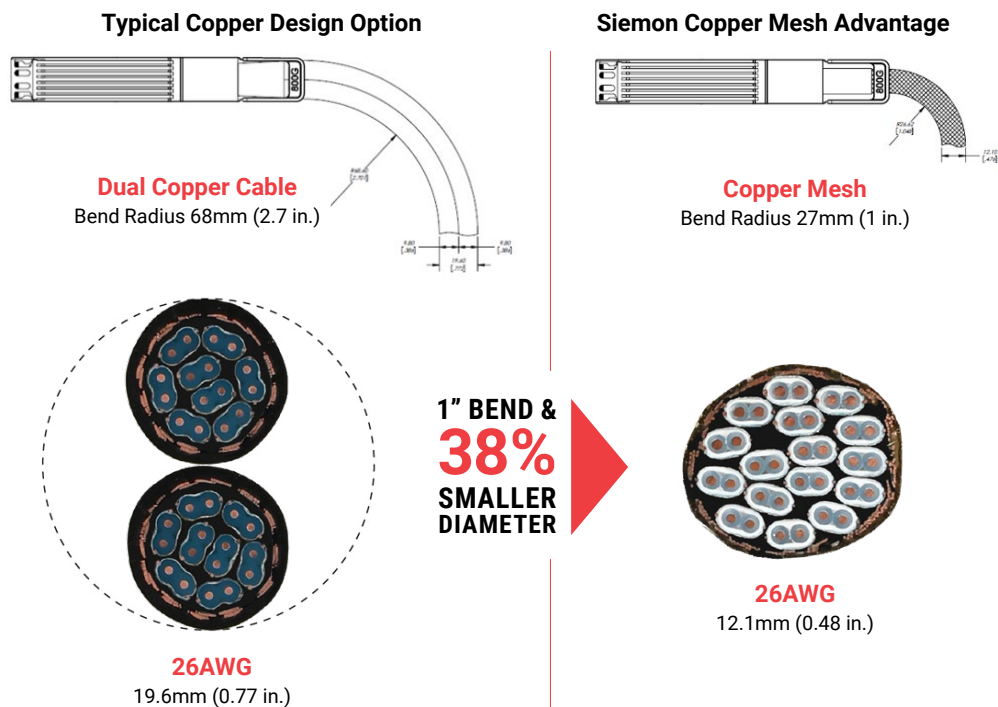


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Flexible When it Matters

Flexible bend DAC copper cables deliver dependable performance with minimal maintenance needs. Their robust construction ensures consistent signal quality, even in dense deployment scenarios where active optical connections might struggle with adding power and heat to the system.



The Bottom Line

For Network Engineers and Architects working on multi-pod deployments, Siemon flexible bend 800G copper cables offer a compelling solution to the challenges of high-density environments. Their combination of enhanced flexibility, reliable performance, and cost effectiveness with multiple length and color coding options make them an ideal choice for modern data center architectures.

Speed	Connector Cable Type	Spec Sheet
800G	OSFP PAM4 Straight Through and Breakouts DAC, ACC, AEC	go.siemon.com/200-07030
800G	QSFP-DD PAM4 Straight Through and Breakouts DAC, ACC, AEC	go.siemon.com/200-07029
400G	QSFP-DD PAM4 Straight Through and Breakouts DAC, ACC	go.siemon.com/200-07022
400G	QSFP112 PAM4 Straight Through and Breakouts DAC, ACC, AEC	go.siemon.com/200-07028
400G	OSFP PAM4 Straight Through and Breakouts DAC, ACC	go.siemon.com/200-07023

Get Started Now by clicking to fill out our [High-Speed Cable Assemblies Questionnaire](#).

