SIEMON™

High-Speed Cable Assemblies
Connecting the World to a Higher Standard

Siemon offers a comprehensive line of High-Speed Cable Assemblies, including straight-through/breakout Direct Attach Cables (DAC), Active Copper Cables (ACC), Active Electrical Cables (AEC) and Active Optical Cables (AOC) in speeds up to 800G, in QSFP-DD, OSFP-FT (Finned Top), OSFP-RHS (Riding Heat Sink), QSFP112, QSFP56, QSFP28, QSFP+, SFP-DD, SFP112, SFP56, SFP28, and SFP+ form factors up to 800G. Typical applications include data centers requiring reliable, low latency, high-quality cabling options. Siemon High-Speed Cable Assemblies are MSA (Multi-Source Agreement) compliant to ensure compatibility across equipment from various vendors.

Direct Attach Cables

A cost-effective, low power option for inter-rack connections, DACs provide superior performance and reliability in high-speed top-of-rack applications. Available in black, red, white, or blue jacket colors (plus orange and silver in MESH sleeve), in half meter lengths from 0.5M to 3M and full meter lengths up to 5M depending on speed. Great for high-density systems where power consumption and heat generation are concerning factors.

Active Copper Cables [ACC] - Uses an analog re-driver chip amplifying signal

Active Electrical Cables [AEC] - Uses a digital re-timer chip decoding the signal

Active Optical Cables

Multimode fiber AOC cable assemblies are about half the cost of transceivers and are factory terminated, negating any interoperability or installation issues. Siemon AOCs are ideal for longer reach, point to point connections in data centers, cabinets and equipment outside of the rack. Energy efficient design requires less power than transceiver assemblies with smaller bundles promote better airflow and lower cooling costs.

.5 Cables available in half-meter lengths		✓ Available in OFNP and LSZH/OFNR options	
⚠ Factory tested to meet or exceed industry standards		🏭 Short lead times for standard configurations	
📄 Interoperability with leading manufacturers equipment		🎨 DACs in six colors in LSZH compliant mesh	

INFINIBAND™ TRADE ASSOCIATION

RoCE™

Product Offering
High-Speed Cable Assemblies

	Speed	Connector/Cable Type		Spec Sheet
Direct Attach Copper Cables	800G	OSFP PAM4 Straight Through and Breakouts	DAC, ACC, AEC	go.siemon.com/200-07030
	800G	QSFP-DD PAM4 Straight Through and Breakouts	DAC, 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
	200G	QSFP56 PAM4 Straight Through and Breakouts	DAC, ACC	go.siemon.com/200-07020
	200G	SFP-DD PAM4 Straight Through and Breakouts	DAC, AEC	go.siemon.com/200-07027
	200G	QSFP56 PAM4 Straight Through - NA	DAC	go.siemon.com/200-07019
	100G	SFP-DD PAM4 Straight Through and Breakouts	DAC	go.siemon.com/200-07014
	100G	QSFP28 NRZ Straight Through	DAC	go.siemon.com/200-07015
	50G	SPF56 PAM4 Straight Through	DAC	go.siemon.com/200-07012
	100/25G	QSFP28 NRZ Breakouts	DAC	go.siemon.com/200-07016
	25G	SFP28 NRZ Straight Through	DAC	go.siemon.com/200-07004
	25G	SFP28 NRZ Straight Through - Cisco Compatible	DAC	go.siemon.com/200-07005
	40G	QSFP+ NRZ Straight Through	DAC	go.siemon.com/200-07008
	40/10G	QSFP+ NRZ Breakouts	DAC	go.siemon.com/200-07009
	10G	SFP+ NRZ Straight Through	DAC	go.siemon.com/200-07001
	10G	SFP+ NRZ Straight Through - Cisco Compatible	DAC	go.siemon.com/200-07002
Active Optical Cables	400G	QSFP-DD PAM4 Straight Through and Breakouts	AOC	go.siemon.com/200-07025
	400G	OSFP PAM4 Straight Through and Breakouts	AOC	go.siemon.com/200-07024
	200G	QSFP56 PAM4 Straight Through and Breakouts	AOC	go.siemon.com/200-07021
	100G	QSFP28 NRZ Straight Through	AOC	go.siemon.com/200-07018
	50G	SFP56 PAM4 Straight Though	AOC	go.siemon.com/200-07013
	100/25G	QSFP28 NRZ Breakouts	AOC	go.siemon.com/200-07017
	25G	SFP28 NRZ Straight Through	AOC	go.siemon.com/200-07006
	40/10G	QSFP+ NRZ Breakouts	AOC	go.siemon.com/200-07011
	40G	QSFP+ NRZ Straight Through	AOC	go.siemon.com/200-07007
	10G	SFP+ NRZ Straight Through	AOC	go.siemon.com/200-07003

Visit go.siemon.com/highspeed to discover more about High-Speed Interconnects and additional product information.

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