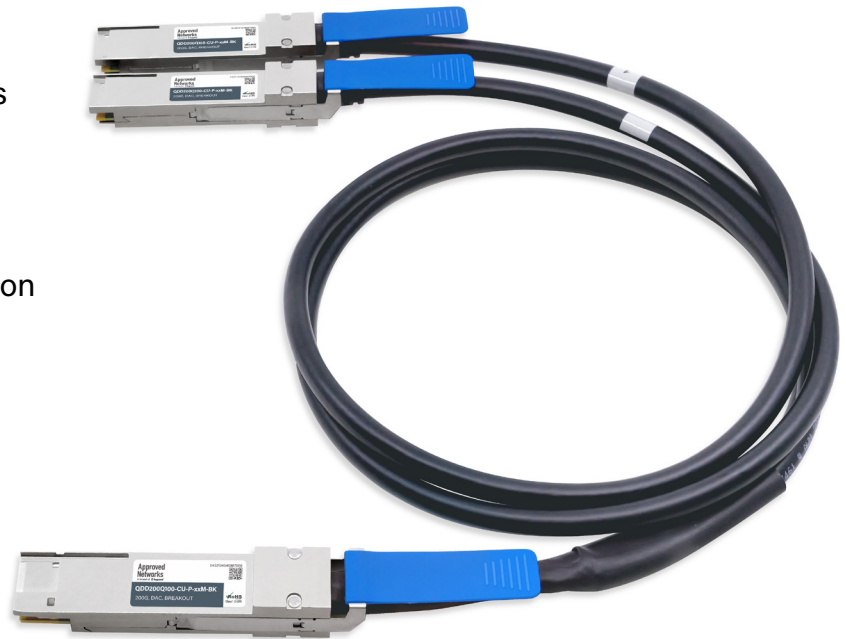


Features

- Supports aggregate data rates of 200Gbps
- Hot-pluggable QSFP-DD and QSFP28 footprint
- Compliant with QSFP-DD MSA Specification Rev 3.4
- SFF-8679 electrical interface compliant
- SFF-8611 management interface support
- Compatible with IEEE 802.3bj and IEEE 802.3cd
- Optimized construction to minimize insertion loss and cross talk
- Pull-to-release slide latch design
- 28AWG to 30AWG cable
- Customized cable braid termination limits EMI radiation
- RoHS compliant and lead-free



- Storage area networks
- High performance computing
- Telecommunication and wireless infrastructure
- Test and measurement equipment

Applications

- Switches, servers and routers
- Data Center networks

Industry Standards

- 200G Ethernet (IEEE 802.3cd)
- InfiniBand EDR

High Speed Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Differential Impedance	TDR	90	100	110	Ω	
Insertion loss	SDD21	-16.06			dB	At 13.28 GHz
Differential Return Loss	SDD11			See 1	dB	At 0.05 to 4.1 GHz
	SDD22			See 2	dB	At 4.1 to 19 GHz

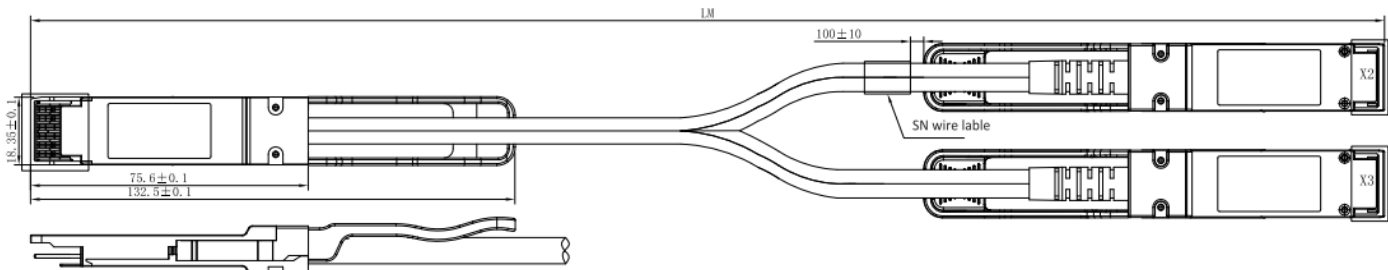
Common-mode to common-mode output return loss	SCC11 SCC22			-2	dB	At 0.2 to 19 GHz
Differential to common-mode return loss	SCD11 SCD22			See 3	dB	At 0.01 to 12.89 GHz
				See 4		At 12.89 to 19 GHz
Differential to common Mode Conversion Loss	SCD21-IL			-10	dB	At 0.01 to 12.89 GHz
				See 5		At 12.89 to 15.7 GHz
				-6.3		At 15.7 to 19 GHz

Notes:

1. Reflection Coefficient given by equation $SDD11(dB) < -16.5 + 2 \times \text{SQRT}(f)$, with f in GHz
2. Reflection Coefficient given by equation $SDD11(dB) < -10.66 + 14 \times \log_{10}(f/5.5)$, with f in GHz
3. Reflection Coefficient given by equation $SCD11(dB) < -22 + (20/25.78)*f$, with f in GHz
4. Reflection Coefficient given by equation $SCD11(dB) < -15 + (6/25.78)*f$, with f in GHz
5. Reflection Coefficient given by equation $SCD21(dB) < -27 + (29/22)*f$, with f in GHz

Mechanical Specifications

The connector is compatible with the QSFP-DD and SFF-8611 specification..



Length (m)	Cable AWG	Length (m)	Cable AWG
0.5	30	2	26
1	30	2.5	26
1.5	30	3	26

Note: External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.

Ordering Information

OEM	Part Number	OEM	Part Number
Arista	CAB-D-2Q-200-0.5M	Arista	CAB-D-2Q-200-1M
Arista	CAB-D-2Q-200-1.5M	Arista	CAB-D-2Q-200-2M
Arista	CAB-D-2Q-200-2.5M	Arista	CAB-D-2Q-200-3M
MSA	AN-QDD200G2Q100G-P-0.5M	MSA	AN-QDD200G2Q100G-P-1M
MSA	AN-QDD200G2Q100G-P-1.5M	MSA	AN-QDD200G2Q100G-P-2M
MSA	AN-QDD200G2Q100G-P-2.5M	MSA	AN-QDD200G2Q100G-P-3M

5. Contact Information

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