QSFP28 Passive DAC

Overview

The Wave2Wave QSFP28 Passive Direct-Attach Copper (DAC) Cable delivers a high-performance, cost-efficient interconnect solution designed for high-density 100GbE and InfiniBand EDR environments. Each cable integrates four 25Gbps channels, achieving an aggregate data rate of 100Gbps with exceptional signal integrity and minimal latency.

Optimized for next-generation data centers and high-performance computing (HPC) applications, this interconnect enables reliable switch-to-switch and rack-to-rack connectivity while maintaining low power consumption and a compact form factor.

Fully compliant with SFF-8436, SFF-8665, and IEEE 802.3bj standards, Wave2Wave QSFP28 Passive DACs provide seamless interoperability across major OEM platforms. The result is a scalable, energy-efficient, and high-density cabling infrastructure built to support modern workloads demanding speed, reliability, and efficiency.



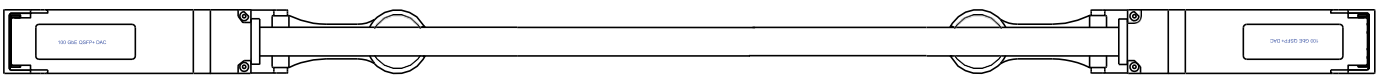


Features and Benefits

- Supports data rates up to 100Gbps
- Compliant with SFF-8665, SFF-8436, and IEEE 802.3bj
- Low crosstalk and low insertion loss for superior signal quality
- Constructed with 26AWG copper cable for durability and performance
- Individually tested and serialized for guaranteed quality
- RoHS compliant for environmental safety

Applications

- Storage Area Networks (SANs)
- Data center cabling infrastructure
- High-density switch and server interconnects
- Switched fabric I/O systems
- Ultra-high-bandwidth routers and switches



Mechanical	
Item	**Specification**
Mating Force	40N Max. with retention latch disengaged.
Un-Mating Force	30N Max. with retention latch disengaged.
Latch retention force	90N Min.
Durability	250 cycles

Electrical	
Item	**Specification**
Low Level Contact Resistance	Initial: Baseline, with 75mm cable from the backshell edge. Change: 20 milliohms maximum
Insulation Resistance (Raw Cable)	100VDC, 1000Mohm (min.)
Dielectric Withstanding Voltage	AC 300V 1min, no breakdown or flash

Ratings	
Item	**Specification**
Voltage	30VAC
Current	0.5A/Contact
Operating Temperature	-40ºC to 80ºC

Product Selection		
Part Number: 75-Z010-XX		
xx	1M	1 meter cable
	2M	2 meter cable
	3M	3 meter cable
	4M	4 meter cable
	5M	5 meter cable

RoHS

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