100GbE QSFP28 Direct Attach Cable

Overview

The Wave2Wave 100GbE QSFP28 Direct Attach Copper (DAC) cable delivers a high-performance, cost-efficient interconnect for data center, SAN, and HPC environments. Supporting 100GbE and InfiniBand EDR, it provides low latency, strong signal integrity, and power-free operation for short-reach applications.

Compliant with SFF-8665 and IEEE 802.3bj 100GBASE-CR4 standards, these passive copper cables ensure multi-vendor interoperability and consistent performance in dense, high-bandwidth network architectures.

Wave2Wave QSFP28 DACs enable fast, reliable plug-and-play connectivity between QSFP ports—ideal for scalable, energy-efficient 100G infrastructure.



Features and Benefits

- Fully compliant with SFF-8665 QSFP28 standard
- 4-channel full-duplex passive copper construction
- Supports 25Gbps per channel (aggregate 100Gbps)
- IEEE 802.3bj 100GBASE-CR4 compliant
- Copper lengths up to 3 meters
- +3.3V power supply, no active components required
- Low crosstalk and minimal skew for signal reliability
- I2C-based EEPROM interface with customizable signature
- Operating temperature: 0°C to 70°C

Applications

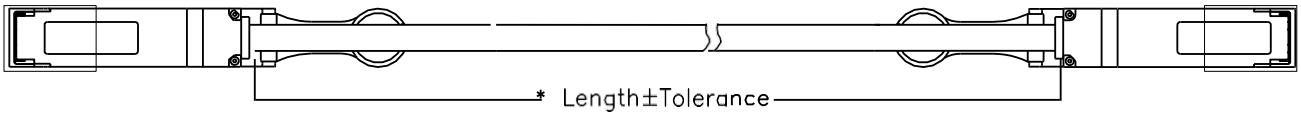
- 100GbE Ethernet interconnects
- Fiber Channel over Ethernet (FCoE)
- High-performance computing (HPC) systems
- Switch, router, and HBA connections
- Enterprise and SAN environments
- Data center networks

Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Storage Ambient Temperature		-40		+85	ºC
Operating Case Temperature	Tc	0		+70	ºC
Power Supply Voltage	Vcc3	3.14	3.3	3.47	V
Data Rate Per Lane		1		25.78	Gb/s

100GbE QSFP28 Direct Attach Cable

Mechanical Diagram



Product Selection

Part Number: 75-Z0401-XX		Length	AWG
xx	1M	1 meter cable	30
	2M	2 meter cable	30
	3M	3 meter cable	30
	4M	4 meter cable	24
	5M	5 meter cable	24

Custom Cable Lengths and Colors also Available

Standards Compliance

- IEEE 802.3bj
- InfiniBand EDR
- SFF-8436
- SFF-8665
- QSFP28 MSA
- RoHS

wave2wave.io | © Wave2Wave.io (an Anchorcraft Co. business). All rights reserved.