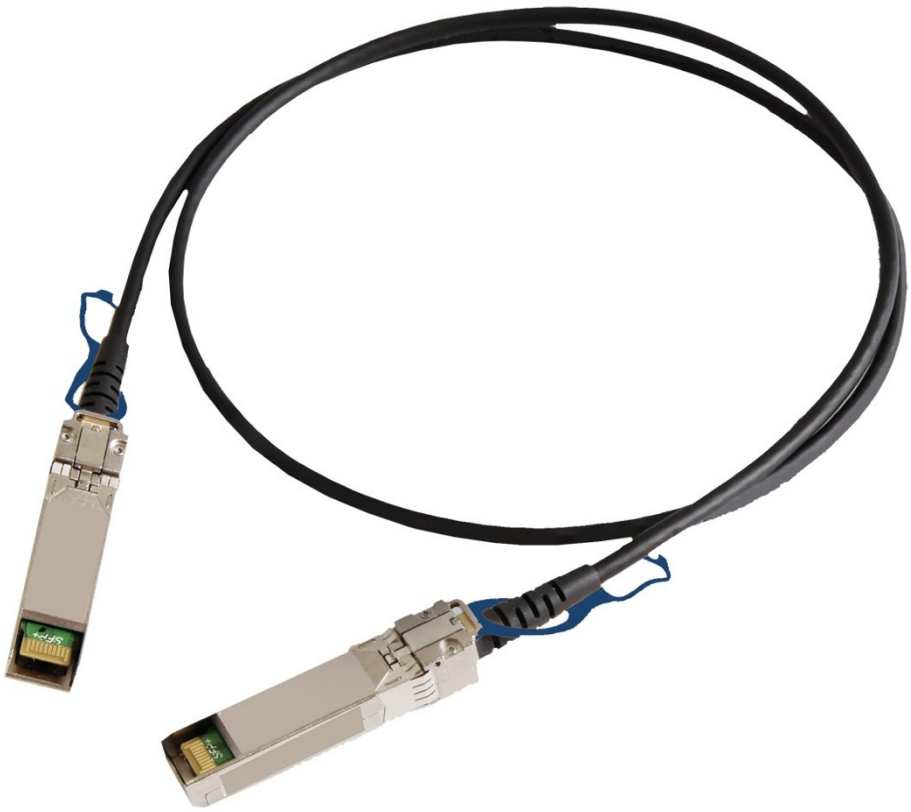
10GbE SFP+ Passive DAC Cable

Overview

The Wave2Wave SFP+ Passive Direct-Attach Copper (DAC) cable delivers a low-latency, power-free solution for 10GbE and 10G Fiber Channel links in high-density data centers. Designed for top-of-rack and switch-to-server deployments, it provides reliable bandwidth without the cost and energy demands of optical modules.

Engineered for short-reach performance, this passive design ensures strong signal integrity and consistent operation while meeting Ethernet and Fiber Channel standards for seamless interoperability across modern infrastructure.

Compliant with SFP+ MSA specifications, Wave2Wave DAC cables enable a clean, plug-and-connect experience for environments demanding efficient cabling, dependable performance, and minimal power consumption.



Features and Benefits

- Supports serial data rates up to 10Gbps
- Compatible with 1G/2G/4G/8G Fiber Channel data rates
- Hot-pluggable SFP+ 20-pin footprint
- Available in 24AWG–30AWG copper cable options
- Ultra-low power consumption (passive design)
- Excellent EMI/EMC performance for mission-critical environments

Applications

- 10GbE Ethernet (10GBASE-T, switched fabric)
- Storage Area Networks (SAN)
- 1G / 2G / 4G / 8G Fiber Channel
- High-density data center cabling environments
- Rack-to-rack and switch-to-server interconnects
- Ultra-high-bandwidth fabric switches & routers

Cable Diagram

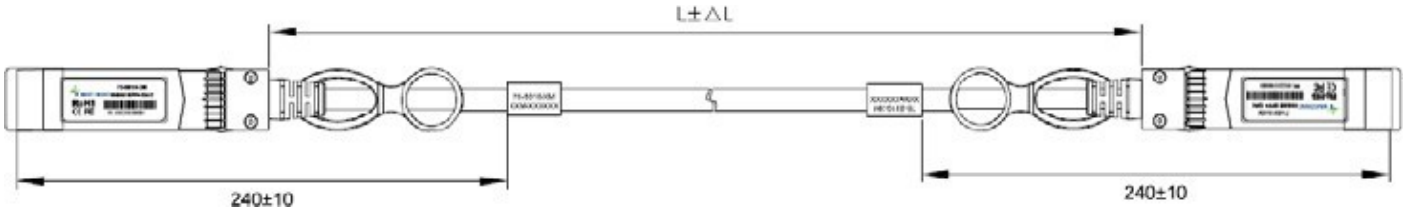


Table 1 – Absolute Maximum Ratings	
Parameter	**Range**
Operating Voltage	6 V
Operating Case Temperature	-40 ºC to +85 ºC
Storage Ambient Temperature	-40 ºC to +85 ºC

Table 2 – Operating Conditions				
Parameter	**Minimum**	**Typical**	**Maximum**	**Units**
Supply Voltage	3.13	3.3	5.25	V
Data Rate per Lane	1		10	Gb/s

Table 3 – Physical Data			
Parameter	**30AWG**	**24AWG**	**Units**
Cable Diameter	4.5	6.5	mm
Bend Radius, Minimum Sustained Bend	22.5	32.5	mm

Standards Compliance

- Electrical: SFF-8431, SFF-8083
- Mechanical: SFF-8432
- EEPROM: SFF-8472
- SFP+ MSA
- RoHS

RoHS

Product Selection

Part Number: 75-S010-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
	6M	6 meter cable	24
	7M	7 meter cable	24

Custom Cable Lengths and Colors also Available