

## Overview

The QSFP+ Passive DAC Cable is designed for high-density applications that integrate 4 InfiniBand channels at 10 Gbps per lane. This passive DAC cable offers a highly cost-effective way to establish a 40-Gigabit link between QSFP+ ports of QSFP+ switches within racks and across adjacent racks.

The QSFP+ Passive DAC Cable is used for 40GbE and InfiniBand standards. To maximize performance, the QSFP+ DAC cable is designed to meet emerging data center and high performance computing application needs. This cable is a high density cabling interconnect system capable of delivering an aggregate data bandwidth of 40Gbps.

The QSFP+ Passive DAC Cable is fully compliant to existing industry standard specifications such as the QSFP+ MSA and IBTA (InfiniBand Trade Association). The QSFP+ cable supports the bandwidth transmission requirements as defined by IEEE 802.3ba (40 Gbps) and InfiniBand QDR (4x10Gb/s per channel) specifications.



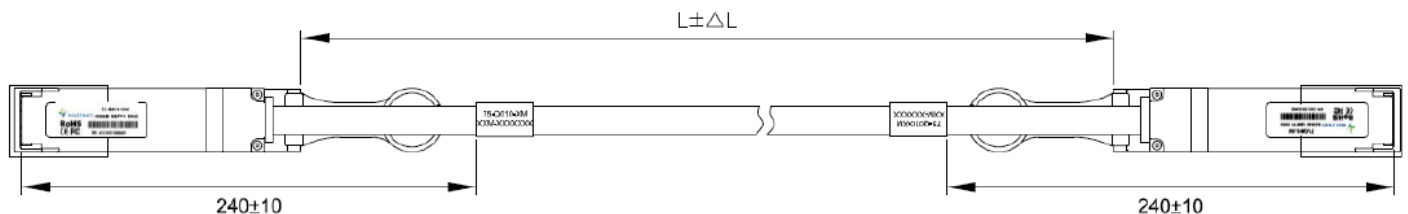
## Features & Benefits

- Support Serial Data Rates up to 40Gbps
- Ultra Low Crosstalk for Enhanced Performance
- 3x the Port Density of Standard SFP Products - Save Rack Space and Power
- 24AWG - 30AWG Cable
- Low Power Consumption

## Applications

- Enterprise Storage
- High Density, High Speed I/O
- Multiple Channel Interconnects
- Switches, Routers, and HBA's
- Data Center Networking
- InfiniBand 4x SDR, DDR, QDR

## Cable Diagram



## Table 1 - Absolute Maximum Ratings

Parameter	Range
Operating Voltage	6 V
Operating Case Temperature	-40 °C to +85 °C
Storage Ambient Temperature	-40 °C to +85 °C

## Table 2 - Operating Conditions

Parameter	Minimum	Typical	Maximum	Units
Supply Voltage	3.13	3.3	3.465	V
Data Rate per Lane	1		10	Gb/s

## Table 3 - Physical Data

Parameter	30AWG	24AWG	Units
Cable Diameter	6.6	10	mm
Bend Radius, Minimum Sustained Bend	35	50	mm

### Standards Compliance

- Electrical: IBTA V2 Revision 1.2.1
- IEEE 802.3ba
- EEPROM: SFF-8436
- QSFP+ MSA
- RoHS



### Product Selection

Part Number: 75-Q010-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*