# 25GbE SFP28 Direct Attach Passive Copper Cables

## Overview

The Wave2Wave SFP28 Passive Direct-Attach Copper (DAC) cable delivers a high-performance and cost-optimized interconnect for 25GbE applications. Designed for top-of-rack, switch-to-server, and storage deployments, it provides low latency, power-free operation, and exceptional signal integrity over short distances.

Built for next-generation data center environments, the SFP28 DAC allows hardware manufacturers and operators to achieve high port density, flexible configurations, and efficient utilization at a fraction of the cost and power of optical transceivers. This makes it an ideal solution for scalable, energy-efficient infrastructure.



### Features and Benefits

- Supports data rates up to 25Gbps per channel
- Transmission distances up to 5 meters
- Hot-pluggable SFP 20-pin footprint for easy deployment
- IPF-compliant design for enhanced EMI/EMC performance
- Fully compatible with SFP28 MSA, SFF-8402, and SFF-8431 standards
- Operational temperature range: 0°C to +70°C
- Zero power consumption, ideal for high-density installations

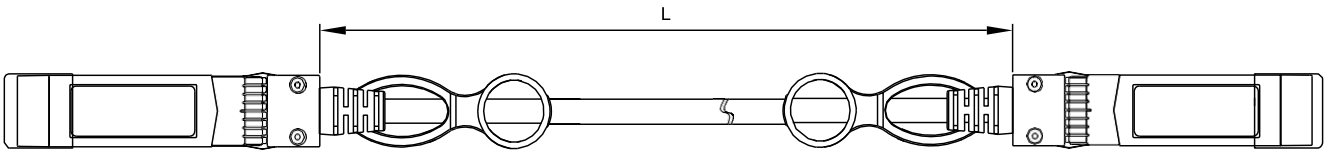
### Applications

- 25GbE network links
- Fiber Channel over Ethernet (FCoE)
- Data storage and communication systems
- Switch, router, and HBA interconnects
- Enterprise and SAN environments
- Data center infrastructure

**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 |

## Mechanical Diagram




| Product Selection | | | |
|---|---|---|---|
| **Part Number: 75-Z0101-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 P802.3by
- SFF-8402
- SFF-8431
- SFP28 MSA
- RoHS


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