

Product Highlights

Better Performance

High speeds and lower latency result in faster transmissions than other types of cables

Cost-effective Solution

SFP+ connectors on cable mean no need for expensive SFP+ transceivers and fiber cables

Energy Efficiency

Lower power consumption than other cables like 10GBASE-T or 10GBASE-CX4 means savings on energy usage and costs



SFP+ Direct Attach Cable Series

10G Passive SFP+ Twinaxial Direct Attach Cable

Features

Connectivity

- SFP+ (Enhanced Small Form-factor Pluggable)
- 10 Gbps Gigabit Ethernet
- Four different models
 - DEM-CB100S: 1 meter
 - DEM-CB300S: 3 meters
 - DEM-CB500S: 5 meters
 - DEM-CB700S: 7 meters
- Fully Compliant with the following standards:
 - SFP MSA (Multi-Source Agreement)
 - SFF-8431
 - EIA 364
 - UL 94

The 10G Passive SFP+ Twinaxial Direct Attach Cable is designed to support connections¹ for 10 Gbps Gigabit Ethernet or Gigabit Ethernet switches with 10 Gbps Gigabit Ethernet uplink, much more faster than SFP which only supports 2.5 Gbps Gigabit Ethernet. With four cable models including the DEM-CB100S, DEM-CB300S, DEM-CB500S, and DEM-CB700S, this series is suitable for very short distances up to 7 meters (23 feet), and is ideal for highly cost-effective networking connectivity between switches and servers within a rack or in adjacent racks.

Ideal for High-Bandwidth Operations

The D-Link 10G Passive SFP+ Twinaxial Direct Attach Cable supports speeds of up to 10 Gbps, while having lower latency and power consumption than other cables types such as 10GBASE-CX4 and CAT6/CAT6A 10GBASE-T. This makes it an optimal solution for handling high bandwidth transmission within short distances such as inside energy-efficient data centers.

Enhanced Small Form-factor Pluggable Format

The D-Link 10G Passive SFP+ Twinaxial Direct Attach Cable uses Enhanced Small Form-factor Pluggable format (SFP+) connectors. The SFP+ form factor is smaller than other form factors such as Xenpak, X2, and 10G XFP, resulting in lower costs, lower power disruption, and higher port density. Meanwhile SFP+ connectors use the same space-per-port as standard SFP connectors but support higher data transmission speeds.

Save on Costs

The D-Link 10G Passive SFP+ Twinaxial Direct Attach Cable features SFP+ connectors on both ends, thus eliminating the need for expensive SFP+ transceivers. This makes it more cost-effective than fiber cables which must use SFP+ transceivers.

SFP+ Direct Attach Cable Series

10G Passive SFP+ Twinaxial Direct Attach Cable

Technical Specifications

General

Device Rate	• 10 Gbps Gigabit Ethernet
Connector Type	• SFP+ Cable Assembly
Wire AWG	• DEM-CB100S, DEM-CB300S: 30 AWG • DEM-CB500S, DEM-CB700S: 24 AWG
VMA Loss to Crosstalk Ratio (VCR)	• Min.: 32.5 dB

Physical

Minimum Cable Bend Radius	• 23.5 mm (0.93 inches)
Cable Characteristic Impedance	• 100 Ohms
Voltage	• 30 V AC
Current	• 0.5 A
Temperature	• Operating: -40 to 85 °C (-40 to 185 °F)
Certifications	• SFP MSA (Multi-Source Agreement) • SFF-8431 • EIA 364 • UL 94

Order Information

<i>Model Number</i>	<i>Description</i>
DEM-CB100S	1 meter 10G 30AWG Passive SFP+ to SFP+ Direct Attach Cable
DEM-CB300S	3 meter 10G 30AWG Passive SFP+ to SFP+ Direct Attach Cable
DEM-CB500S	5 meter 10G 24AWG Passive SFP+ to SFP+ Direct Attach Cable
DEM-CB700S	7 meter 10G 24AWG Passive SFP+ to SFP+ Direct Attach Cable

¹ It is recommended that you only use the 10G Passive SFP+ Twinaxial Direct Attach Cable with D-Link products.

Updated 2013/01/14