D-Link
Building Networks for People

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 fibre cables

Energy Efficiency

Lower power consumption compared to other 10G cables such as 10GBASE-T or 10GBASE-CX4, meaning savings on energy usage and costs

DEM-CB100S and DEM-CB300S

10G Passive SFP+ Twinaxial Direct Attach Cables

Features

Connectivity

- SFP+ (Enhanced Small Form-factor Pluggable)
- 10 Gigabit Ethernet
- Two different models
  - DEM-CB100S: 1 metre
  - DEM-CB300S: 3 metres
- Fully Compliant with the following standards:
  - SFP MSA (Multi-Source Agreement)
  - SFF-8431
  - EIA 364
  - UL 94

These 10G Passive SFP+ Twinaxial Direct Attach Cables are designed to support connections 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 two cable models including the DEM-CB100S and DEM-CB300S, these cables are suitable for short distances up to 3 metres, and is ideal for highly cost-effective networking connectivity between switches and servers within a rack or in adjacent racks. These 10G Passive SFP+ Twinaxial Direct Attach Cables are certified to be compatible with D-Link products to provide you best performance and reliability.

Ideal for High-Bandwidth Operations

These D-Link 10G Passive SFP+ Twinaxial Direct Attach Cables support 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 centres.

Enhanced Small Form-factor Pluggable Format

These D-Link 10G Passive SFP+ Twinaxial Direct Attach Cables use 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

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

DEM-CB100S and DEM-CB300S
10G Passive SFP+ Twinaxial Direct Attach Cables

Technical Specifications		
General	DEM-CB100S	DEM-CB300S
Cable Length	• 1 metre	• 3 metres
Device Rate	• 10 Gbps Gigabit Ethernet	
Connector Type	• SFP+ Cable Assembly	
Wire AWG	• 30 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	

For more information: www.dlink.com

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