

## Product Highlights

### Full Range of InfiniBand Features

High throughput, low latency, quality of service, failover, plus fully scalable design

### Lightning-fast 10 Gbps Performance

Delivers non-blocking wire-speed performance for true 10 Gigabit Ethernet connectivity

### Versatile Connectivity

Connects with InfiniBand (CX4) latch or screw ports for use as a stacking cable or uplink cable at speeds up to 10 Gbps.



## InfiniBand Cable Series

# 10G InfiniBand Twinaxial Cables

## Features

### Connectivity

- 10GBASE-CX4 InfiniBand cable with screw or latch type connector
- For Gigabit Ethernet connections up to 10 Gbps
- Supports InfiniBand's quality of service and failover features

### Five Different Models

- DEM-CB50, 50 cm (screw plug)
- DEM-CB100, 100 cm (screw plug)
- DEM-CB300, 300 cm (screw plug)
- DEM-CB50ICX, 50 cm (screw + latch plug)
- DEM-CB300CX, 300 cm (latch plug)

### Standards Compliance

- IEEE802.3ak 10GBASE-CX4
- SFF-8470
- EIA-364
- UL 94

The InfiniBand Cable Series 10G InfiniBand Twinaxial Cables are designed to support high-speed connections for 10 Gbps Ethernet devices<sup>1</sup>. The series consists of five models: the DEM-CB50, DEM-CB100, DEM-CB300, DEM-CB50ICX, and DEM-CB300CX. The 10G InfiniBand Twinaxial Cables are an ideal solution for cost-effective, high-speed networking connectivity between D-Link switches, and other devices within a rack or in adjacent racks.

## Ideal for High-Bandwidth Operation

The D-Link 10G InfiniBand Twinaxial Cables support speeds of up to 10 Gbps over distances of up to 3 metres (9.85 feet). This 10GBASE-CX4 cabling runs over four pairs of twinaxial copper wiring, resulting in low latency, and supports the InfiniBand fabric's quality of service (QoS) and failover features. The result is an optimal solution for handling high bandwidth transmission over short distances.

## 10GBASE-CX4 Connectors

The 10G InfiniBand Twinaxial Cables use 4X InfiniBand connectors with screw or latch type plugs. The DEM-CB50, DEM-CB100, and DEM-CB300 feature screw-type connectors at both ends, and can be used as physical stacking cables or uplink cables for D-Link's DGS-3120 L2 Managed Stackable Gigabit Switch series. The DEM-CB50ICX features a screw-type connector at one end for connection to the DGS-3120 series, and a latch-type connector at the other end for connection to the DMC-805X media converter. The DEM-CB300CX features a latch-type connector at both ends and can be used as a physical stacking cable for the DGS-3400 Series Advanced Layer 2+ Gigabit Switches and the accompanying DEM-410CX module.

**Technical Specifications**

Model Number	DEM-CB50	DEM-CB100	DEM-CB300
<b>General</b>			
Connector Type	• Screw-type at both ends		
Cable Length	• 50 cm	• 100 cm	• 300 cm
Wire AWG	• 28 AWG		
Connectivity	• Physical stacking cable or uplink cable for DGS-3120 series (recommended)		
<b>Physical</b>			
Voltage	• 30 V AC		
Current	• 0.5 A		
Operating Temperature	• -40 to 85 °C (-40 to 185 °F)		
Certifications	<ul style="list-style-type: none"> <li>• IEEE802.3ak 10GBASE-CX4</li> <li>• SFF-8470</li> <li>• EIA-364</li> <li>• UL 94</li> </ul>		

Model Number	DEM-CB50ICX	DEM-CB300CX
<b>General</b>		
Connector Type	• 1 x Screw/1 x Latch	• Latch-type at both ends
Cable Length	• 50 cm	• 300 cm
Wire AWG	• 28 AWG	
Connectivity	• Connecting cable between DGS-3120 series and DMC-805X (recommended)	• Physical stacking cable for linking DGS-3400 series with DEM-410CX (recommended)
<b>Physical</b>		
Voltage	• 30 V AC	
Current	• 0.5 A	
Operating Temperature	• -40 to 85 °C (-40 to 185 °F)	
Certifications	<ul style="list-style-type: none"> <li>• IEEE802.3ak 10GBASE-CX4</li> <li>• SFF-8470</li> <li>• EIA-364</li> <li>• UL 94</li> </ul>	

# InfiniBand Cable Series 10G InfiniBand Twinaxial Cables

Ordering Information	
<i>Model Number</i>	<i>Description</i>
DEM-CB50	• 50 cm InfiniBand cable with screw connectors
DEM-CB100	• 100 cm InfiniBand cable with screw connectors
DEM-CB300	• 300 cm InfiniBand cable with screw connectors
DEM-CB50ICX	• 50 cm InfiniBand cable with one screw connector and one latch connector (1 of each)
DEM-CB300CX	• 300 cm InfiniBand cable with latch connectors

<sup>1</sup> It is recommended that the 10G InfiniBand Twinaxial Cables are only used with D-Link products.

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