

Mini-LC Equipment Connectivity Cross-Reference

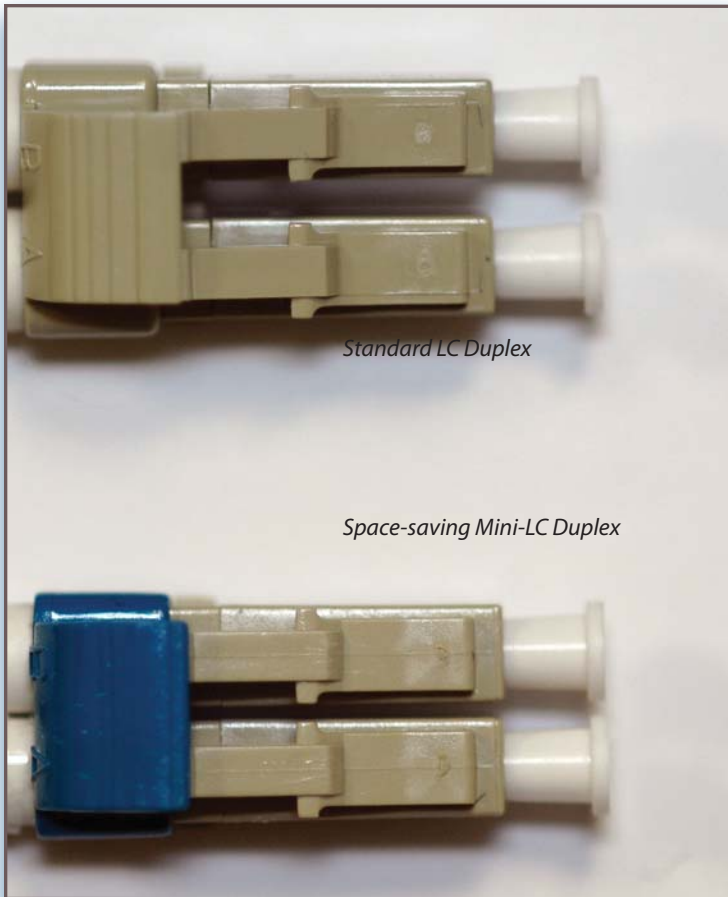


figure 1: Standard LC (top) and Mini-LC Duplex (bottom)



figure 2: Brocade Fibre Channel blade (top) and DCX Chassis (bottom)

The introduction of the Mini-LC standard (see figure 1) has enabled network equipment manufacturers to engineer products with greater port density. The Brocade FC8-64 high density 64 port Fibre Channel blade for the DCX Backbone family (see figure 2) is a standard 1RU blade that houses 64 Mini-LC ports, a 33% increase in port density from previous generations of the product. Perhaps the most compelling aspect of Mini-LC connectors are that they minimize physical footprint without any compromise to performance. The major transceiver manufacturers are currently shipping SFP based on this form-factor. In a 1RU blade configuration, the mini-LC connectors allow for port density of up to 64, a 33% increase from similar blades using regular LC connector. Mini-LC connectors look similar to standard LC ones. However, with a closer look, the “pitch” on a duplex Mini-LC is 1mm closer. The above picture illustrates the difference.

Brocade Chassis/Hardware

Network Chassis	Description
Brocade DCX	Built for large enterprise networks, the 14U Brocade DCX has eight vertical blade slots to provide up to 512 Fibre Channel ports
Brocade DCX-4S	Built for midsize networks, the 8U Brocade DCX-4S has four horizontal blade slots to provide up to 256 Fibre Channel ports

IBM Chassis/Hardware

Network Chassis	Description
IBM SAN384B	IBM System Storage; Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Enhanced Group Management, Fabric Watch, Server Application Optimization and Trunking). Support for up to 256 ports
IBM SAN768B	IBM System Storage; Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Enhanced Group Management, Extended Fabric, Fabric Watch, Server Application Optimization and Trunking). Support for up to 512 ports

HP Chassis/Hardware

Network Chassis	Description
HP DC04 SAN Director	256 ports operating simultaneously at full 8 Gb/s; 1.5 Tbit/sec of chassis bandwidth; 256 Gbit/sec of ICL bandwidth (freeing up to 32 8 Gb/s ports per chassis)
HP DC SAN Backbone Director	512 ports operating simultaneously at full 8 Gb/s; 3 Tbit/sec of chassis bandwidth; 512 Gbit/sec of ICL bandwidth (freeing up to 64 8Gb ports per chassis for server, storage, and fabric connections)

Mini-LC Patch Cables

Type	Description	Length	Wave2Wave Part Number
Mini-LC to LC	Mini-LC – standard LC, duplex, multi-mode, OM3, 50/125	1m	61zz-4020L-1m
Mini-LC to LC	Mini-LC – standard LC, duplex, multi-mode, OM3, 50/125	2m	61zz-4020L-2m
Mini-LC to LC	Mini-LC – standard LC, duplex, multi-mode, OM3, 50/125	3m	61zz-4020L-3m
Mini-LC to LC	Mini-LC – standard LC, duplex, multi-mode, OM3, 50/125	5m	61zz-4020L-5m
Mini-LC to LC	Mini-LC – standard LC, duplex, multi-mode, OM3, 50/125	10m	61zz-4020L-10m
Mini-LC to Mini-LC	Mini-LC – Mini-LC, duplex, multi-mode, OM3, 50/125	1m	55zz-4020L-1m
Mini-LC to Mini-LC	Mini-LC – Mini-LC, duplex, multi-mode, OM3, 50/125	2m	55zz-4020L-2m
Mini-LC to Mini-LC	Mini-LC – Mini-LC, duplex, multi-mode, OM3, 50/125	3m	55zz-4020L-3m
Mini-LC to Mini-LC	Mini-LC – Mini-LC, duplex, multi-mode, OM3, 50/125	5m	55zz-4020L-5m
Mini-LC to Mini-LC	Mini-LC – Mini-LC, duplex, multi-mode, OM3, 50/125	10m	55zz-4020L-10m

Trunk Cables for Mini-LC Connection

Type	Description	Length	Wave2Wave Part Number
Mini-LC to MTP	Mini-LC - MTP-female, 2 to 24 fiber, 6" and up breakout, OM3, 50/125	specify	Contact Us

Patch Panel

Type	Description	Length	Wave2Wave Part Number
Mini-LC to MTP	Mini-LC - MTP-female, 12 fiber, 12" breakout, OM3, 50/125	specify	Contact Us
Mini-LC to MTP	Mini-LC - MTP-female, 12 fiber, 6" breakout, OM3, 50/125	2m	Contact Us
Mini-LC to MTP	Mini-LC - MTP-female, 24 fiber, 12" breakout, OM3, 50/125	2m	Contact Us

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