

SM MDC-MDC Data Center Patchcord Datasheet

Ideal for 200G/400 data center structured cabling connections.



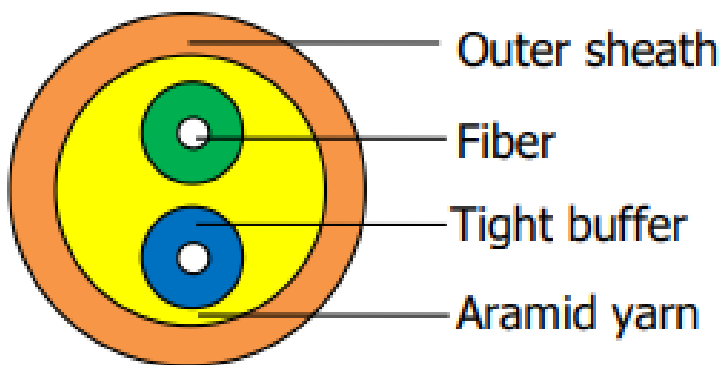
• Description

Developed as the Media Dependent Interface (MDI) or Optical Interface of the new SFP-DD and QSFP-DD / OSFP transceivers, the MDC products are mainly used in high-density applications and perfect for Base-8 cabling with 400Gbps transmission speed. It is a very Small Form Factor (VSFF) duplex optical connector with proven 1.25mm ferrule technology used in industry standard LC connectors with many obvious advantages.

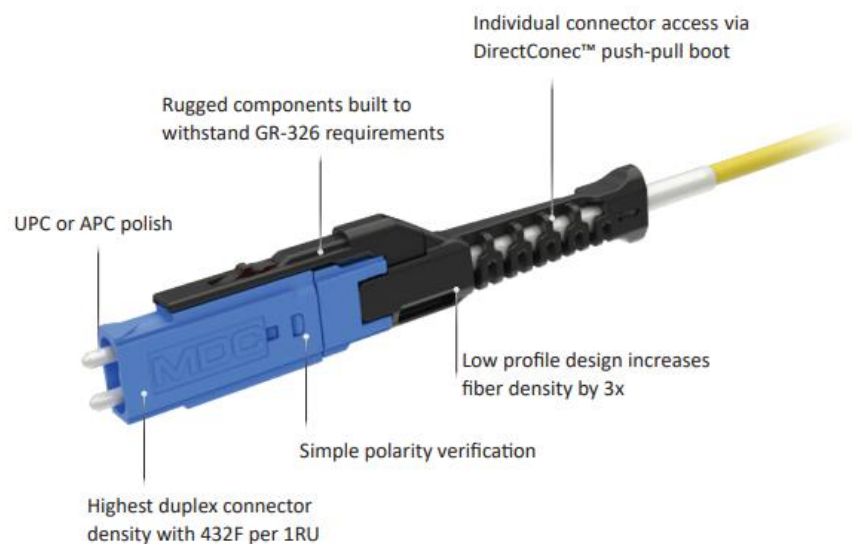
• Features

- Three Times Fiber Cabling Density over Duplex LC.
- Special Uniboot Design Reduces the Cable Congestion
- Easy to Polarity Reversal
- Direct Conec™ Allows for Easier Insertion and Extraction.
- Support Four Individual MDC Cables in A QSFP Footprint and two Cables in An SFP Footprint.

• Cable structure



• Connector structure



- Technical Specifications

Item	Parameter
Fiber Count	Duplex
Fiber Mode	G657A2 or as requested
Connector A	MDC
Connector B	MDC/LC
Polish Type	APC/UPC
Polarity	A(Tx)to B(Rx)
Jacket Ratings	PVC/LSZH
Outer Cable Diameter(mm)	2.0mm
Minimum Bending Radius	5D/10D(Static/Dynamic)

Optical Testing	Parameter
Insertion Loss(dB)	<0.20
Return Loss(dB)	≥50
Wavelength(nm)	1310/1550
400G Ethernet Distance	10km with OSFP-DD
Operating Temperature(°C)	-40~85
Storage Temperature(°C)	-20~70

- Tips:

Due to the COVID-19, sorry that you and our team couldn't visit face to face with each other. In order to make the customers know us more, please visit our VR factory, it is just like you were really standing in our factory.

OPTICO Fiber Assemblies Production Line VR :<https://www.linked-reality.com/company/15555/en>