

Fiber Optic Ferrule, MTP®

The CORNING logo is displayed in white, uppercase letters within a dark blue square.

The heat-cure MTP® connector is a 12-fiber connector that is the same size as the well-known SC connector but provides 12 times the density, making it the ideal solution for high-fiber-count data centers and parallel optical interconnects between servers. This high-density connection replaces 12 single-fiber connections, offering tremendous savings in valuable floor and rack space.

Features and Benefits

Precision guide pins

High-performance alignment

Allows for high density

Saves floor and rack space

Removable housings

Easily change pins or clean/repolish ferrule

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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Specifications

General Specifications

Keyed (security)	No
Product Type	Heat Cure Epoxy and Polish Connectors

Environmental Conditions

Temperature Range, Operation	-40 °C - 80 °C (-40 °F - 176 °F)
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Design Connector

Part Number	Connector Type	Housing Color
94-112-MM-MTBP	MTP® (non-pinned)	Black
94-212-SM-MTBP	MTP® (non-pinned)	Black
94-252-SME-MTBP	MTP® (non-pinned)	Black

Optical Specifications Connector

Part Number	Fiber Category	Insertion Loss, Max.
94-112-MM-MTBP	62.5 µm MM (OM1) / 50 µm MM (OM1/OM2/OM3/OM4/OM4+)	0.6 dB
94-212-SM-MTBP	Single-mode (OS2)	0.75 dB
94-252-SME-MTBP	Single-mode (OS2)	0.35 dB

Mechanical Specifications - Connector

Durability	< 0.2 dB change, 500 rematings, EIA-455-21A
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