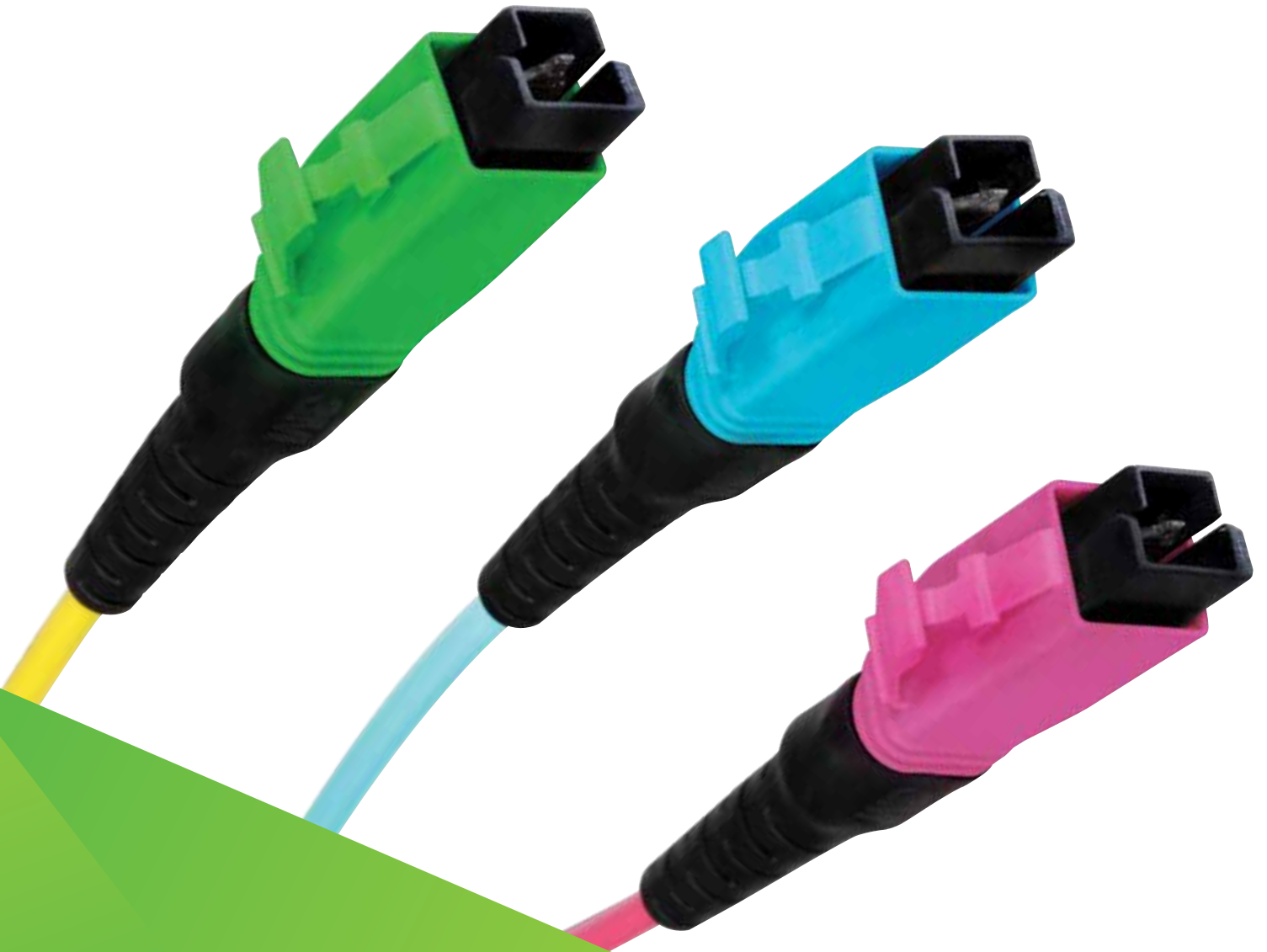


3M Science.
Applied to Life.™



**Expand the
possibilities.**

3M™ Expanded Beam Optical Interconnect

Conventional connectors rely on physical contact to function, and any debris caught between the glass – from dust to skin oil – can interrupt data transmission. By expanding the light beam, 3M’s innovative connector is designed to reduce the need for maintenance, cleaning and human interaction, yet offers exceptional performance.

Leave ordinary connectors

3M™ Expanded Beam Optical Connectors

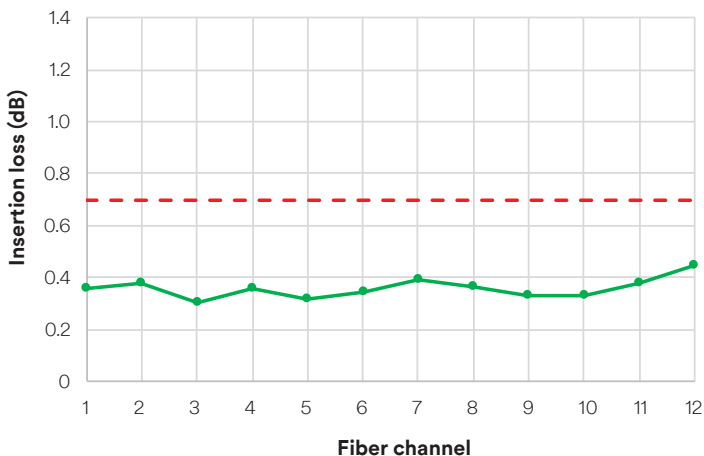
Designed to perform.

- ▶ Expanded beam design optimized for next generation data centers
- ▶ Performance supports multi-link deployment
- ▶ Low insertion loss and reflectivity in both single mode and multimode

Performance designed in:

	Single mode (1310 nm)	Multimode (850 nm)
Insertion loss	<0.70 dB	<0.30 dB
Return loss	>55 dB	>25 dB

Typical single mode insertion loss at 1310 nm



Typical single mode return loss at 1310 nm

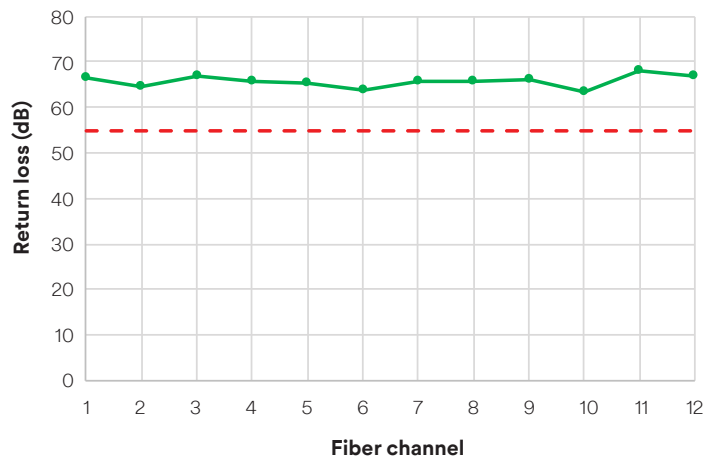


Chart legend: - - - Limit —●— Typical

Ferrule supports 12 single mode or multimode fibers

Hermaphroditic design eliminates need for separate male and female mating halves

Simple LC-style latch for quick and reliable connect and effortless disconnect

in the dust.

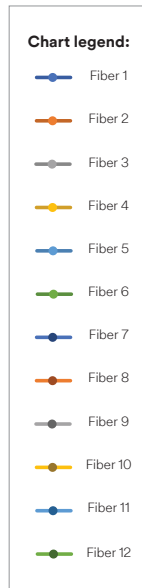
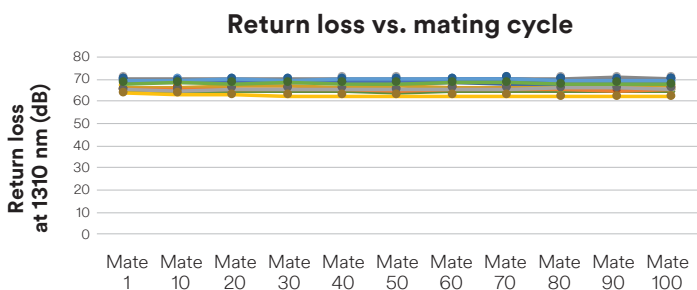
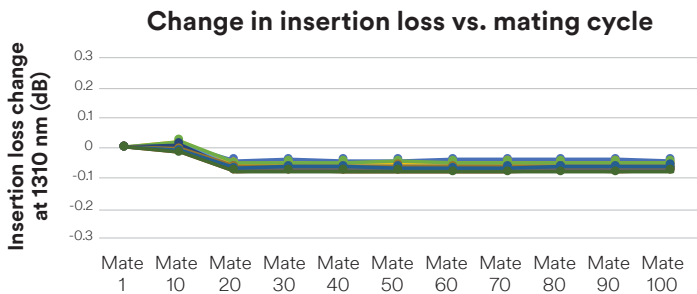
Lowers your total cost of ownership.

- ▶ Expanded beam technology provides reduced sensitivity to dust
- ▶ Repeatable mating and re-mating performance
- ▶ Simple connector design with low part count

Engineered to scale up.

- ▶ Single mode and multimode solutions to meet your connectivity needs
- ▶ Configurable and scalable connector design (12 fibers to 144 fibers)
- ▶ Supports rack or infrastructure applications

Mating repeatability



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