



INFINIUM QUANTUM™ FIBER SYSTEM

THE INDUSTRIES LOWEST TOTAL CHANNEL CONNECTION LOSS

No longer bound by Ultra Low Loss - Infinium Quantum has redefined performance in the data center with a patent pending solution that delivers a total channel connection loss that is an order of magnitude lower than any other fiber system on the market today. Infinium quantum changes everything by opening up the opportunity to **challenge what's possible**.

DEVELOPED TO SUPPORT HIGH BANDWIDTH APPLICATIONS

AI
Financial
Healthcare
Telecommunications
Education

BENEFITS:

- Lowest total Ultra Low channel connection loss in the industry:
 - Single-mode total channel connection loss: 0.75 dB
 - Single-mode total channel connection return loss: 49dB
 - Multimode total channel connection loss: 0.75 dB
 - Multimode total channel connection return loss: 34dB
- Opens path up to 400G and beyond
- Enables relaxed transceiver specification; significantly reducing overall energy consumption and increasing average lifespan of electronics
- Lowest bit error rate—Fewer errors—Fewer retransmissions

0.75 dB Infinium Quantum

55%
Improvement

67%
Improvement

1.70 dB Ultra Low Total Channel Connection Loss

2.30 dB Standard Low Total Channel Connection Loss

designed to be better.™

INFINIUM QUANTUM™ FIBER SYSTEM



INFINIUM QUANTUM™ M4 SYSTEMS - For INFINIUM HD FIBER ENCLOSURES

Part Numbers	Description	Fiber #	Polarity	Form Factor
Infinium Quantum M4 Single-Mode 12 Fiber MTP to Duplex LC				
L4-3535B2OYx1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OS2 Yellow Patch	2	A-B	Duplex
LM4-LC12J-1A3UN	Infinium Quantum M4 Cassette, 12 Fiber, LC Duplex to MTP(M), OS2, Universal Polarity	12	Universal	M4
Q7171BxxxOxxxxxxx	Infinium Quantum OS2 Non-Pinned MTP Trunk		B:1-1	Trunk
Infinium Quantum M4 Single-Mode 24 Fiber (2 MTP) to Quad LC				
L4-3535B2OYx1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OS2 Yellow Patch	2	A-B	Duplex
LM4-LC24J-2A3UN	Infinium Quantum M4 Cassette, 24 Fiber, LC Quad to 2 MTP(M), OS2, Universal Polarity	24	Universal	M4
Q7171BxxxOxxxxxxx	Infinium Quantum OS2 Non-Pinned MTP Trunk		B:1-1	Trunk
Infinium Quantum M4 Multimode 12 Fiber MTP to Duplex LC				
L4-3535B2EAX1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OM4 Aqua Patch	2	A-B	Duplex
LM4-LC12H-1A4UN	Infinium Quantum M4 Cassette, 12 Fiber, LC Duplex to MTP(M), OM4, Universal Polarity	12	Universal	M4
Q1E1EBxxxExxxxxxxx	Infinium Quantum OM4 Non-Pinned MTP Trunk		B:1-1	Trunk
Infinium Quantum M4 Multimode 24 Fiber (2 MTP) to Quad LC				
L4-3535B2EAX1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OM4 Aqua Patch	2	A-B	Duplex
LM4-LC24H-2A4UN	Infinium Quantum M4 Cassette, 24 Fiber, LC Quad to 2 MTP(M), OM4, Universal Polarity	24	Universal	M4
Q1E1EBxxxExxxxxxxx	Infinium Quantum OM4 Non-Pinned MTP Trunk		B:1-1	Trunk

INFINIUM QUANTUM™ HDCA SYSTEMS - For HDJ MODULAR PANELS

Part Numbers	Description	Fiber #	Polarity	Form Factor
Infinium Quantum HDJ Single-Mode 12 Fiber MTP to Duplex LC				
L4-3535B2OYx1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OS2 Yellow Patch	2	A-B	Duplex
LMH-LC12J-1A3UN	Infinium Quantum HDCA Cassette, 12 Fiber, LC Duplex to MTP(M), OS2, Universal Polarity	12	Universal	HDJ
Q7171BxxxOxxxxxxx	Infinium Quantum OS2 Non-Pinned MTP Trunk		B:1-1	Trunk
Infinium Quantum HDJ Multimode 12 Fiber MTP to Duplex LC				
L4-3535B2EAX1xxxx	Infinium Quantum LC to LC Duplex DFX Fiber OM4 Aqua Patch	2	A-B	Duplex
LMH-LC12H-1A4UN	Infinium Quantum HDCA Cassette, 12 Fiber, LC Duplex to MTP(M), OM4, Universal Polarity	12	Universal	HDJ
Q1E1EBxxxExxxxxxxx	Infinium Quantum OM4 Non-Pinned MTP Trunk		B:1-1	Trunk

INFINIUM QUANTUM™ & LEGRAND TRANSCEIVERS



Finding the correct transceiver for any application is fast and simple.

Legrand transceivers, powered by Integra, are TAA compliant and capable of all functions and features supported by their OEM counterparts. Each transceiver is rigorously tested to ensure 100% compatibility with the same equipment as their OEM equivalents. Legrand offers well over 4000 transceivers for shipping within 1-3 business days—finding the correct transceiver for any application is fast and simple.



INFINIUM QUANTUM™ LEGRAND TRANSCEIVERS