

INFINIUM QUANTUM™ TRUNK

(BASE PN: X7171BEE0FOHHJLLLM)

PATENT PENDING

Infinium Quantum fiber trunks and harnesses are available in Single-Mode and Multimode. Both are fully configurable with a variety of cable and connector combinations including connector type, breakout configurations and jacket material. Each trunk can have multiple connectors of different types and a choice of cable construction in between. Legrand Infinium Quantum trunk cables are manufactured using an innovative furcation method.

- Industry leading performance is available only when mated with matched Infinium Quantum Cassettes (see pages 9 & 10 for proper mating equipment.)
- Available with Plenum, riser, low-smoke zero halogen (LSZH) rated jackets (or CPR – rated for EU use)
- Bend-insensitive fiber for optimal cable management
- Single-mode and Multimode options include 8-fiber, 12-fiber, and 24-fiber MPO connectors
- Utilizes higher quality tubing for more consistent jacket foot print
- Leverages high impact AMS at the furcation point
- Provides a sleeker, more innovative design



General Specifications

Application	Data Center
Cable Assembly Type	Infinium Quantum Trunk
Fiber Category	9 µm SM (OS2)

Temperature Ranges

Storage	-40° to 70°C (-40° to 158°F)
Installation	0° to 60°C (32° to 140°F)
Operating	0° to 70°C (32° to 158°F)

Connector Design

Connector - A

Connector Type	MPO
Connector Color	Green
Pinned Connector	No
Ferrule Material	Composite
Boot Color	Black
Strain Relief Boot Length	33.2 mm

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Connector Design

Connector - B	
Connector Type	MPO
Connector Color	Green
Pinned Connector	No
Ferrule Material	Composite
Boot Color	Black
Strain Relief Boot Length	33.2 mm

Optical Specifications – Connector A	
Insertion Loss Max.	0.275 dB*
Return Loss	55 dB*

Optical Specifications – Connector B	
Insertion Loss Max.	0.275 dB*
Return Loss	55 dB*

*Per mated pair

*When mated with the Infinium Quantum Cassette

Cable Design	
Outer Jacket Color	Yellow
Polarity	Type B:1-1

Fiber Specifications	
Wavelengths	1310 nm / 1550 nm
Maximum Attenuation	0.5 dB/km / 0.5 db/km
1 Gigabit Ethernet	>25000 m / > 40000 m
10 Gigabit Ethernet	10000-25000 m / 40000 m
Induced Attenuation @ Radius	0.5 dB 1550 nm @ 10 mm (1 turn) / 1.5 dB 1625 nm @ 10 mm (1 turn)

