

DATA SHEET



M8 Cassettes

OVERVIEW

Designed for use with the Infinium™ HD Enclosures, these MPO-to-LC quad 8-fiber cassettes are available with single-mode (OS2) or multimode (OM3) fiber configurations. These M8 pre-terminated fiber optic cassettes provide for rapid deployment within enclosures with our new front-latching mechanism. The housing offers additional durability and integrated bend-limiting considerations to assure optimum optical performance. The base 8 configuration of this cassette matches the fiber utilization of most transceivers, providing for 100% fiber utilization. This makes these cassettes a perfect match for Ethernet transmission ranging from 40G to 400G.

FEATURES

- **Base 8 Configuration:** Provides 100% fiber utilization for higher bandwidth applications
- **Performance Tiers:** Different performance tiers available based on overall system performance needed
- **Multimode or Single-mode:** Cassettes available in multimode (OM3) or single-mode (OS2)

ITEM DESCRIPTION

M8LCQ08-09E1G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Method A
M8LCQ08-09E1G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Universal Polarity
M8LCQ08-09E2G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Method A
M8LCQ08-09E2G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Universal Polarity
M8LCQ08-50EE3G1	Infinium High Density (HD) M8 Cassette, OM3, 8 Fiber, LC Quad, 1 MPO (F), Tier 3, Method A
M8LCQ08-50EE3G2	Infinium High Density (HD) M8 Cassette, OM3, 8 Fiber, LC Quad, 1 MPO (F), Tier 3, Universal Polarity
M8LAQ08-09E1G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Method A
M8LAQ08-09E1G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Universal Polarity
M8LAQ08-09E2G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Method A
M8LAQ08-09E2G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Universal Polarity

AGENCIES/THIRD PARTY CERTIFICATIONS

- **RoHS:** Yes

DATA SHEET

SPECIFICATIONS: M8 Cassettes

GENERAL INFO:

- Number Of Ports: 8

- Typical Applications:

Multimode

M8LCQ08-50EE3G1
M8LCQ08-50EE3G2

Single-mode

M8LCQ08-09E1G2
M8LCQ08-09E2G1
M8LCQ08-09E2G2
M8LCQ08-09E1G1
M8LAQ08-09E2G2
M8LAQ08-09E2G1
M8LAQ08-09E1G2
M8LAQ08-09E1G1

- Connection Types: MPO and LC Quad

- Installation Destination: Infinium HD Enclosures

- Product Series: Infinium

- Type: Fiber Cassettes

DIMENSIONS:

- Depth: 3.36 in

- Height: 0.63 in

- Width: 2.25 in

TECHNICAL INFORMATION:

- Connection Method: Method A or Universal Polarity

- Fiber Capacity: 8

- Max. Insertion Loss:

M8LCQ08-09E1G2	1.05 dB
M8LCQ08-09E2G1	0.60 dB
M8LCQ08-50EE3G1	0.50 dB
M8LCQ08-50EE3G2	0.50 dB
M8LCQ08-09E2G2	0.60 dB
M8LCQ08-09E1G1	1.05 dB
M8LAQ08-09E2G2	0.60 dB
M8LAQ08-09E2G1	0.60 dB
M8LAQ08-09E1G2	1.15 dB
M8LAQ08-09E1G1	1.15 dB

- Min Return Loss:

M8LCQ08-09E1G2	-52 dB
M8LCQ08-09E2G1	-52 dB
M8LCQ08-50EE3G1	-19 dB
M8LCQ08-50EE3G2	-19 dB
M8LCQ08-09E2G2	-52 dB
M8LCQ08-09E1G1	-52 dB
M8LAQ08-09E2G2	-54 dB
M8LAQ08-09E2G1	-54 dB
M8LAQ08-09E1G2	-54.6 dB
M8LAQ08-09E1G1	-54.6 dB

- Capacity: High Density

- Equipment Type: Pre-Terminated Cassettes

FOR SINGLEMODE:
(2) LA(APC) QUAD ADAPTERS,
COLOR: GREEN,
ORIENTED AS SHOWN
(2) LC(UPC) QUAD ADAPTERS,
COLOR: BLUE,
ORIENTED AS SHOWN
FOR MULTIMODE:
(2) LC(PC) QUAD ADAPTERS,
COLOR: AQUA (50E)
COLOR: ERIKA VIOLET (50M)
ORIENTED AS SHOWN

FOR SINGLEMODE:
(1) GREEN MPO
(APC) ADAPTERS,
FOR MULTIMODE:
(1) AQUA MPO
(PC) ADAPTERS (50E), OR
(1) ERIKA VIOLET MPO
(PC) ADAPTERS (50M)

FIGURE 1
FOR POLARITY IDENTIFIER: "G1" & "G2"
(NOTE LC/QUAD ADAPTER ORIENTATION)



Legrand, North and Central America

60 Woodlawn Street
West Hartford, CT 06110
1.877.BY.LEGRAND (295.3472)
www.legrand.us