

# HPE AJ834A Datasheet



HPE AJ834A LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable, 491024-001

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This OM3 Duplex Multimode Fiber Optic Cable is ideal for connecting 10GBase-SR, 10GBase-LRM, SFP+ and QSFP+ transceivers for 10 gigabit network connections. This cable provides backward compatibility with existing 50/125 equipment and the performance headroom required to support LED and VCSEL laser light sources, and 10 gigabit ethernet applications.

## Specifications

- Manufacturer: HPE
- Part Number: AJ834A
- Spare P/N: 491024-001
- Cable Type: Fiber Optic Cable
- Connector on first end: (1) Duplex LC Male
- Connector on second end: (1) Duplex LC Male
- Length: 1.0m
- Color: Aqua

## Features

- Optical Multimode 3 (OM3) fiber supporting 2000 MHz.km EMB at 850 nm.
- 10 Gigabit transfers up to 300 meters using 850 nm VCSEL source
- LC Connector Dimensions: 10.75mm Height x 12.5mm Width x 50mm Depth (with installed duplex clip)
- Maximum Connector Loss: 0.50 dB
- Typical Connector Loss: 0.30 dB
- Typical Return Loss: -25 dB
- Buffer Material: PVC
- Buffer OD: 900  $\mu$ m
- Jacket Material: PVC (OFNR riser-rated)
- Jacket OD: 1.8 mm
- Installation Tensile Load: 100 N (445 lbs)
- Long-Term Tensile Load: 50 N (222 lbs)
- Maximum Tensile Load: 100 N/cm
- Installation (Loaded) Minimum Bend Radius: 5.0cm (1.97in)
- Long-Term (Unloaded) Minimum Bend Radius: 3.0cm (1.2in)
- Crush Resistance: 750 N/cm
- Impact Resistance: 1,000 cycles
- Flex Resistance: 5,000 cycles
- Attenuation at 1300 nm: 1.0 dB/km
- Attenuation at 850 nm: 3.5 dB/km
- Operating Temperature: -20°C to +70°C

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