

Single-Fiber Transport

DESCRIPTION

The Calix single fiber solution is composed of the following parts:

- Single-fiber circulator cassette—each cassette is equipped with 2 circulators featuring LC- or SC-type connectors.
- Rack mount cassette holders—for rack mount installations, the cassettes install in a Calix-provided shelf (19-inches wide and 2 RUs high). Each shelf holds a maximum of 2 cassettes.
- Outdoor cabinet cassette holders—for remote terminal installations, the cassettes install in the fiber distribution holder located in the cabinet splicing area. Each fiber distribution holder holds up to 6 cassettes.

OPTICAL CARDS THAT WORK WITH THE SINGLE FIBER CASSETTE:

All Calix C7 intermediate reach (1310 nm) optical cards work with the single fiber transport cassette. The cassette’s low-loss circulator design (2 dB end-to-end, 1 dB per end) translates to only a slight reduction in reach:



Calix C7 Card	Optical Budget	Optical Budget with Circulator
RAP-OC3/12/48	OC-3 – 22 dB OC-12 – 22 dB OC-48 – 12 dB	OC-3 – 20 dB OC-12 – 20 dB OC-48 – 10 dB
OC48-1 IR	12 dB	10 dB
OC3-4 IR	12 dB	10 dB
OC12-4 IR	12 dB	10 dB

ORDERING INFORMATION

CALIX SINGLE-FIBER TRANSPORT CASSETTE

SFCC-2 LC (100-00358)	Single-fiber circulator cassette – 2 interface, LC
SFCC-2 SC (UPC) (100-00359)	Single-fiber circulator cassette – 2 interface, SC/UPC
SFCC-2 SC (APC) (100-01057)	Single-fiber circulator cassette – 2 interface, SC/APC

