

Datasheet



Splitter / Combiner



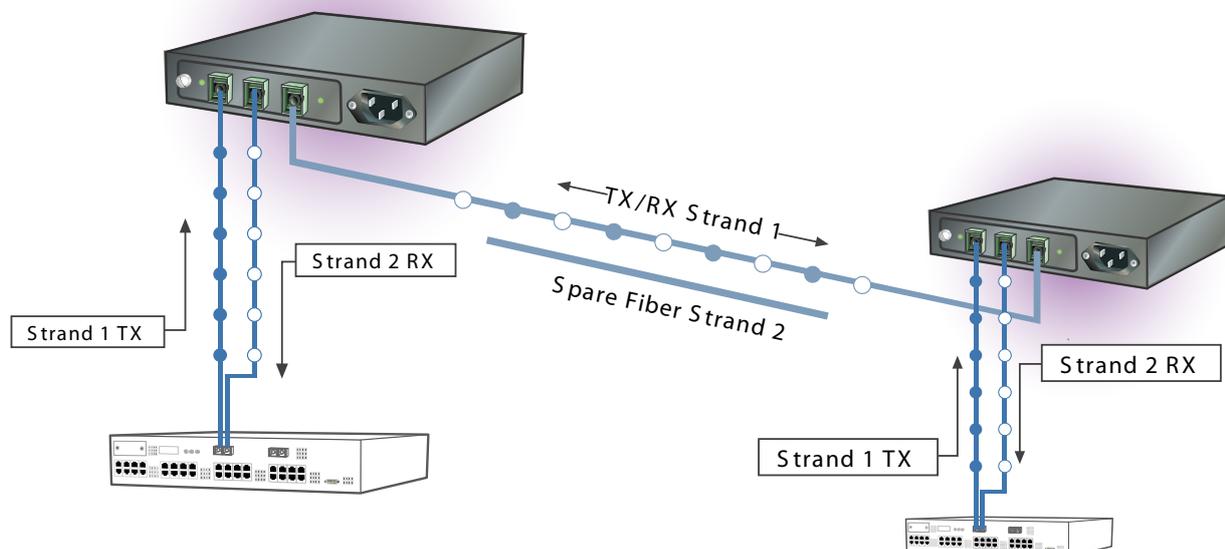
Features

- Combines transmit and receive signals onto a single fiber strand
- Effectively doubles fiber cable availability
- Protocol independent
- Hot swappable
- SNMP managed
- Fits all Fiber Driver chassis
- Passive device (can use non-powered chassis NC316BU-1/NP if management is not needed)

Overview

Splitter/Combiner technology provides the ability to propagate two signals, transmit (TX) and receive (RX), over a single fiber strand using the same wavelength. The Fiber Driver™ Splitter/Combiner modules effectively double the availability of fiber in a network and eliminate the need for additional connectors. The Splitter/Combiner is protocol independent, operates at a specific wavelength, and does not perform media conversion. It is a passive device with no power requirements; and if manageability is not desired, it fits in any of the Fiber Driver chassis including the non-powered NC316-NP. A pair of Splitter/Combiners add a power loss of 6.4 to 7.0 dB for SM fiber and 9 dB for MM fiber. Angled Polished Connectors (APCs) are used at the link connections to eliminate cross-talk.

For additional information including pricing and availability, contact your MRV Communications sales representative today.



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Physical Specifications: Splitter / Combiner

Operating Temperature Range:	0°C to 50°C (32°F to 122°F)
Storage Temperature:	-40°C to 95°C (-40°F to 203°F)
Relative Humidity:	85% maximum, non-condensing
Physical Dimensions:	25 mm x 75 mm x 175 mm deep (1" x 3" x 7" deep)
Weight:	Approximately 213 g (7.5 oz)
Emission Compliance:	FCC - PART 15, SUBPART B, 1999, CLASS A; CE MARK - EN 50081-1:1992;
	EN 50082:1997; EN 55024:1998; EN 55022:1998; AS/NZS 3548:1995

Ordering Info	Part Number	Function	Protocol	Connectors Port/Link	Wavelength (nm)	Insertion Loss (Max. dB)	Fiber Core
	EM316SC/3M	Dual Fiber to Single Fiber MM Converter	Any	SC/SC-APC	1310	4.5 (ea. side)	62.5µm
	EM316SC/8M	Dual Fiber to Single Fiber MM Converter	Any	SC/SC-APC	850	4.5 (ea. side)	62.5µm
	EM316SC/3S	Dual Fiber to Single Fiber SM Converter	Any	SC/SC-APC	1310	3.5 (ea. side)	9µm
	EM316SC/5S	Dual Fiber to Single Fiber SM Converter	Any	SC/SC-APC	1550	3.2 (ea. side)	9µm

MRV has more than 50 offices throughout the world. Addresses, phone numbers, and fax numbers are listed at www.mrv.com. Please e-mail us at sales@mrv.com or call us for assistance.

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