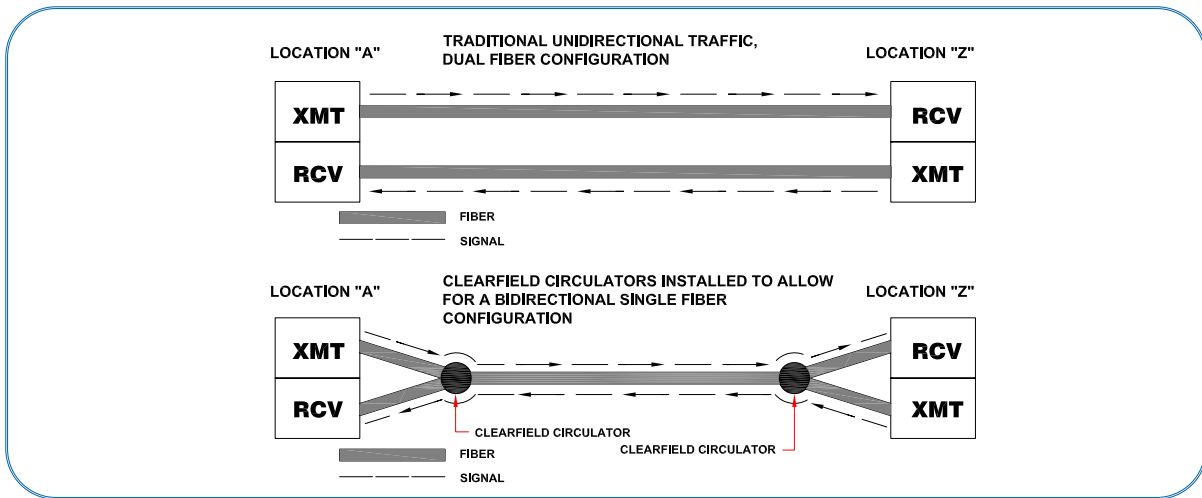


FieldSmart Fiber Crossover Distribution System (FxDS)



Circulators



Application

Provides fiber relief for applications that currently utilize a unidirectional dual fiber transmit/receive configuration, using either 1310nm or 1550nm wide band optics, or Sonet/ethernet optics (discrete, SFP, XFP). Note: SFP or XFP systems may be better served using a WDM solution. See your Clearfield representative for more information.

Description

The Clearfield Circulator allows the user to reroute the traffic that traditionally required two fibers (one for each direction of travel) onto a single fiber with bidirectional traffic. This in turn allows the user to reduce the number of required fibers from 2 to 1 (4 to 2 for working/protect systems).

Compatibility

- Available in either a Clearview Cassette or Clearview xPAK
- Available with up to 4 circulators in a Clearview Cassette using SC UPC, SC APC, LC UPC or LC APC connectors
- Available with up to 2 circulators in an xPAK using SC UPC or SC APC connectors (4 with LC UPC or LC APC)
- Available for either 1310 nm or 1550 nm systems
- APC connectors recommended throughout the network to minimize errors due to back reflection
- Not recommended for MLM based systems

Technical Information	
Insertion Loss	≤ 0.8 dB (1.6 for matched pair)
Return Loss	≥ 50 dB
Max. Power	500 mW
Minimum Isolation	≥ 40 dB
Channel Peak Isolation	≥ 50 dB
Fiber Type	SMF - 28e
Operating/Storage Temp.	-40 ~ +85 C
PDL	≤ 0.15 dB
PMD	≤ 0.05 ps
ROHS Compliant	Yes

Pre-Configured Part Numbers

	Dual (1310 nm)	Quad (1310 nm)
SC APC	MJA-XES-CBZ-ZZZ-03	MJA-XES-CDZ-ZZZ-03
LC APC	MJA-XES-GBZ-ZZZ-04	MJA-XES-GDZ-ZZZ-01

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