

Single Fiber Bi-directional Telephone Line Extender System

Features:

- ◆ Standard Telephone Interface
- ◆ One Singlemode Fiber
- ◆ Diagnostics: Power and Optical Presence
- ◆ Voice and FAX
- ◆ Includes: Contact from Handset to Line
- ◆ Compatible with Momentary Disconnect

SPECIFICATIONS:

Audio:

I/O Level	0 dBm
I/O Impedance	600 Ohms
Audio Bandwidth	5 KHz
SNR.....	60 dB
Connector	RJ11

Contact Closure:

Input	Switch Closure to Ground
Output	Dry Contact
Response Time.....	2 ms
Max Voltage	100 VDC or Peak AC
Max Current	0.5 A
Connector.....	Terminal Block

Optical:

Wavelength	1300/1550nm
Loss Budget (9/125 μ).....	21dB
Connector	FC

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

Module – 12VDC..... (AFI Part#: PS-12D)
Rack Card –(see AFI Part #: SR-20/2)

Size:

Rack Card requires 1 rack slot – 6½" x 1" x 5"
Module -..... 8 ½" x 4 ½ " x 1 ½ "

Ordering information:

RR-86C-SL= Rackcard Phone Line Interface
RT-86C-SL= Rackcard Handset Device
MR-86C-SL= Module Phone Line Interface
MT-86C-SL= Module Handset Device



The American Fibertek 86C-SL Series transmits and receives standard telephone signals on one singlemode optical fiber using AM/FSK transmission. This system is designed to be completely transparent to all telephony signals including ring, off-hook, hook-switch flash and forward disconnect. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic Indicators provide a quick visual indication of system status. The 86C-SL Series are ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR-20/2.

The RT supports up to 1000 feet of 24 AWG wire from the fiber optic unit to the telephone handset.

The 86C-SL series product is also available in a "talk down" (order wire) phone system configuration. Contact the factory for details.

