



Single Fiber Transceiver 4 Digital Video, 1 Multi-Protocol Data, and 1 Bi-directional Contact Closure

FEATURES:

- Compatible with NTSC; RS-170A, RS-343A and PAL
- Diagnostics: Video, Data, Power & Optical Presence
- High Speed, Full Duplex Data
- Multi-Protocol Data

SPECIFICATIONS:

Video:(4)

I/O Level	1Vp-p
I/O Impedance	75 Ω
Bandwidth	7 MHz
Differential Gain	2%
Differential Phase	0.7°
SNR.....	67 dB
Connector.....	BNC

Data:

Interface.....Selectable Multi-protocol
 Choice of: RS-485 (2 or 4 wire),
 RS-422,
 RS-232
 Manchester

Format.....Asynchronous
 Rate.....DC to 115 Kbit/s
 Connector.....Terminal Block

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.....1310/1550 nm
 Loss Budget (9/125 μm).....18 dB
 Connector.....FC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module - 12 VDC AFI PS-12D+
 Rack Card - AFI SR 20/2

Size:

Module -8 1/8" x 4 1/8" x 1 5/8"
 Rack Card (2 rack slots).....6 1/2" x 2" x 5"



The American Fibertek 94P59SL Series transmits 4 high-quality, state of the art digital video, with 1 bi-directional multi-protocol data channel and 1 bi-directional contact closure channel on one singlemode optical fiber.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR20H/2 (redundant power supply).

Product Ordering Information:

MT-94P59SL	Module Transmitter
MR-94P59SL	Module Receiver
RT-94P59SL	Rack Card Transmitter
RR-94P59SL	Rack Card Receiver

