Single Fiber Bi-directional Transceiver
One Two-Way Data Channel

FEATURES:
• Single Channel Bi-directional Data Utilizing One Singlemode Optical Fiber.
• Diagnostic: Power and Optical Presence
• 12 VAC Standard
• No User or Installation Adjustments

SPECIFICATIONS:
Sub-Carrier Options:
Data for RS232 (0300SL Series):
- Data Rate: up to 19.2 Kbps
- Data Connector: 5 pin screw terminal

Data for RS422 (0400SL Series):
- Data Rate: up to 19.2 Kbps
- Data Connector: 5 pin screw terminal

Data for TTL (0700SL Series):
- Data Rate: up to 19.2 Kbps
- Data Connector: 5 pin screw terminal

Audio (0800SL Series):
- I/O Level: 0 dBm
- I/O Impedance: 600 Ohms Balanced
- Bandwidth: 20 Hz to 10 KHz
- THD @ 1 KHz: 1%
- SNR: 55 dB
- Connector: 5 pin screw terminal

Contact Closure (0900SL Series):
- Input: Switch Closure to Ground
- Output: Dry Contact
- Response Time: 2 ms
- Connector: 5 pin screw terminal

Optical:
- Wavelength Data: 1300/1550 nm
- Loss Budget (9/125µ): 15 dB
- Connector: FC/PC

Temperature (Operating):
- -40°C to +75°C, non-condensing

Power Supply:
- Module 12 VAC (AFI Part #: PS-12 VAC)
- Rack Card (See AFI Part #: SR-20/2)

Size:
- Module: 5½” x 6½” x 1½”
- Rack Card requires two rack slot: 6½” x 2” x 5”

The American Fibertek 0X00SL Series transmits a single channel of full duplex data on one singlemode optical fiber. Designed to be completely transparent, these systems require 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 SR-20R/1.

ORDERING INFORMATION:
MT = Module Transceiver - Data Input/Output
MR = Module Transceiver - Data Output/Input
RT = Rack Card Transceiver - Data Input/Output
RR = Rack Card Transceiver - Data Output/Input

Example:
- MT-0300SL to RR-0300SL - RS232
- MT-0400SL to RR-0400SL - RS422
- MT-0700SL to RR-0700SL - TTL
- MT-0800SL to RR-0800SL - Audio
- MT-0900SL to RR-0900SL - Contact Closure

• For multimode product equivalent to the 0X00SL series please see the 0X00 series product.