

One Video with Manchester and Contact “Extended Length : 10km”

Features:

- ◆ Compatible with NTSC; RS – 170A
RS –343A and PAL
- ◆ Diagnostics: Video, Power and
- ◆ Optical Presence
- ◆ Modules or Rack Cards
- ◆ PFM Transmission
- ◆ Full Dynamic Range, No dead zone

SPECIFICATIONS:

Video:

I/O Level	1Vp-p
I/O Impedance	75 Ω
Bandwidth	8 MHz
Differential Gain	5%
Differential Phase.....	2°
SNR.....	60 dB
Connector	BNC

Data:

Data Rate.....	Up to 50 Kb/s
-AD, Bosch, or Manchester Code	
Data Connector.....	5 Pin Screw Terminal

Contact Closure:

Input.....	Switch Closure to Ground
Output.....	Dry Contact
Response Time.....	2 ms
Connector.....	5 Pin Screw Terminal

Optical:

Wavelength.....	1300/1550nm
Loss Budget (62/125µm fiber).....	21dB
Connector	ST/PC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module Transmitter - 12 VDC: 500 mA
(AFI Part #: PS-12D)
Module Receiver - 12 VDC: 500 mA
(AFI Part #: PS-12D)

Size:

Module Transmitter.....	8 7/8" x 5 1/2" x 1 1/8"
Module Receiver.....	8 7/8" x 5 1/2" x 1 1/8"
Rack Card Transmitter.....	8" x 5" x 2"
Rack Card Receiver.....	8" x 5" x 2"

Ordering information:

MT=Module Transmitter – Video Source
 MR=Module Receiver- Control Site
 RT=Rack Card Transmitter – Video Source
 RR=Rack Card Receiver –Control Site

Example:

MT-1290E to RR-1290E

JPK 1/4/2016



The American Fibertek 1290E Series transmits high- quality video with simultaneously return AD or Bosch Code and bi-directional contact closure channels on one multi mode optical fiber over distances up to 10 km.

Designed to be completely transparent to all camera and monitor manufacturers, 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 Cage: SR-20/2

