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	Product	Description	Distance	Frequency/Data Rate	Applications
L-Band	System 7410F	Low cost, L-Band Interfacility Link	2 km	950-2150 MHz	TVRO, DBS, CATV, Downlink
	System 7000	Advanced L-Band Interfacility Link,	10 km	950-2150 MHz (optional 3000 MHz)	Satcom, TVRO, DBS, CATV Broadcast, Downlink
	System 7225	Long Distance, Multi-channel L-Band Interfacility Link	40 km	950-2150 MHz (optional 3000 MHz)	Satcom, GPS, CATV Broadcast, Up & Downlink
	System 7225H	Short Distance, High Input Power, Multi-Carrier Up/Down Link	2 km	950 - 2150 MHz (optional 3000 MHz)	IP Gateways, Broadcast, Up & Downlink
	System 7490	Long Distance, Multi-carrier L-Band Interfacility Link, ITU Standard Laser	60 km	950-2150 MHz (optional 3000 MHz)	Satcom, GPS, CATV, Broadcast Up & Downlink, WDM
IF	System 7830	70/140 MHz IF Interfacility Link, Single-carrier High Input Power	2 km	10-200 MHz	Satcom, TT&C, VSAT, Broadcast Uplink
	System 7870	Advanced 70/140 MHz IF Interfacility Link, Multi-carrier, DFB Laser	45 km	10-200 MHz	Satcom, TT&C, VSAT, Broadcast, Uplink, IP Gateway
	System 7830D	Short Distance, Multi-carrier 70/140 MHz IF Interfacility Link	2 km	10-200 MHz	Satcom, TT&C, VSAT, IP Gateway, Broadcast Uplink
	System 7870-15	Multi-carrier, 1550nm Laser	60 km	10-200 MHz	Satcom, TT&C VSAT, IP Gateway WDM, Broadcast Uplink
C-Band	System 951C	Long Distance, C-Band Up and Down Links	15 km	3.4 - 4.2 GHz	Interfacility Links, Antenna Remoting, and TT&C Applications
X-Band	System 951X	Long Distance, X-Band Up and Down Links	15 km	7.25 - 8.4 GHz	Military
Ku-Band	System 951Ku	Long Distance, Ku-Band Down Links	15 km	10.7 - 12.75 GHz	TT&L
Data	Model 7050	Up to 5 Multiplex Bi-Directional Serial Data Communication Channels	5 km	DC - 19.2 Kbs	1 to 5 Channels RS-232 or RS-485/422 for Monitor & Control
	Model 2020/2021	10/100 BaseT Ethernet Transceiver Module	20 km	N/A	Interfacility Ethernet transmission
ODU	Series 4003	L-Band and IF 70/140 MHz Fiber Optic Outdoor Weatherized Units	2-15km	10 - 200 MHz or 950 - 2150 MHz (combinations possible)	Outdoor Antenna Mounting, Downlinks, Uplinks, VSAT Military ,Shipboard, Fly-Away
	Series 4004	Weatherized units with Milspec optical connectors	2-15km	10 - 200 MHz or 950 - 2150 MHz (combinations possible)	Military, Shipboard and Tactical
M&C	Apogee 2050 / 2050E	SNMP Module with Internal/ External Management System	N/A	N/A	SNMP Support for all Sat-Light Modutes
Accessories	Series 3000 CWDM Series 3030 DWDM	Course Wavelength Division Multiplexer Dense Wavelength Division Multiplexer	50 km	1470 to 1610 nm 1530 to 1562 nm	Cost Effective Solution for Long Distance Transmission of Multiple Signals
	2300/2380 Relay Adaptor	Dry Contact Relay Adaptor	N/A		Dry Contact Outputs for Monitor and Control
	Model 2040	RF 1:1 Redundancy Switch with SNMP Support	N/A	10 to 3000 MHz	1:1 Redundancy Switching with Remote Switching and Status
	Model 2100	High Gain RF Amplifier	N/A	10 to 2400 MHz	Broadband Pre or Post Amplifier
	7180M/7001P	8 Slot Chassis with Switching Power Supply/Standby Power Supply	N/A		3U Rack with Power Supply with Hot Redundancy Standby Power Supply





The Sat-Light series of fiberoptic interfacility links connects antennas with control rooms, network operation centers (NOCS) or broadcast headends. Supporting RF (C, X, or Ku Band) L-Band (950-2150 MHz), IF (10-200 MHz), & Wide Band (100 MHz-15 GHz), redundancy, M & C/SNMP, Ethernet, and serial data communication.

™ Features

- Transmission of Distances over 60km
- SNMP Monitoring - Transmitters, Receivers, and Power Supplies
- Protocol Transparent & Supports all modulation formats
- Digital Ready & Superior signal quality guarantees low BER
- Automatic Gain Control optimizes signal levels over various input power and link distances
- Ultra low phase noise using direct laser modulation
- Wideband and multi-channel transmission
- Fits into common chassis/power supply
- Optional weatherized outdoor units

Applications

- Earth Stations
- Teleports
- CATV Headends
- VSATS
- Broadcast Studios
- GPS
- Military
- TT&C
- IP Gateways
- LMDS

Fiberoptic Advantages

- **High Performance** - Flat frequency & phase response, independent of frequency and distance
- **Low Signal Attenuation** - 100 meters to over 60km transmission
- **Maximum Bandwidth** - 10 MHz to 15 GHz, protocol transparent, multi-channel transmission
- **100% Isolation** - Eliminate lightning damage, EMI/RFI, ground loops and hum
- **Flexible and Lightweight** - Simplified and cost effective installation

Fiberoptic Components

Foxcom can specify and supply indoor or outdoor fiberoptic cable, connectors and components to assure smooth integration of Foxcom equipment into your application.

