

IEEF Fiber Optic Standards

Standard	Cable Type	Data Rate (Mbps)	Distance
10 Base-FL	Multi-mode 62.5/125 or 50/125	10	2 km
	Single-mode 9/125 or 8/125	10	15 km
100 Base-FX	Multi-mode 62.5/125 or 50/125	100	2 km
	Single-mode 9/125 or 50/125	100	15 km
10 Base-SX	Multi-mode 62.5/125 or 50/125	100	300 m
1000 Base-LX	Multi-mode 62.5/125 or 50/125	1000	550 m
	Single-mode 9/125 or 8/125	1000	5 km
1000 Base-SX	Multi-mode 62.5/125	1000	220 m
	Multi-mode 50/125	1000	550 m
10 Base-LH	Single-mode 8/125	1000	70 km

Fiber Optic Wavelengths

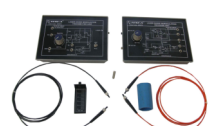
Wave Length	Mode	Usage
850nm	MM	10Base-FL, 100Base-SX, 1000Base-SX
1300MM	MM	100Base-FX, FDDI, ATM/OC-3
1310nm	SM	10Base-FL, 100Base-FX, 1000Base-LX
1550nm	SM	High-Performance Long-Haul Networks, Wave Division Multiplexing (WDM) Networks

ITU-T Wavelength Bands

Name	O	E	S	C	L	U/XL
Wave Length range (nm)	1260-1360	1360-1460	1460-1530	1530-1565	1565-1625	1625-1675
Band	Original Band	Extended Band	Short Band	Conventional Band	Long Band	Ultra Long Band



28505
Fibre-Optic trainer



28507
Laser Fibre Optic Trainer



28508
Physics of Fiber Optics
Trainer



28512
Multiplexer / Demultiplexer



28520-21
Fiber Optic
Connectorization Kit



28522
Fiber Optic
Connectors Kit



28524
Optical Power Meter



28526
Fibre Optics
Communication Trainer