

2.6 System Specifications

Table 4: Electrical Specifications

Parameter	Specification
CO side power consumption	500 mW
CO side dissipation	500 mW
CO side Line length	5,486 m (18,000 ft)
Station side power consumption	1.5 W
Station side dissipation	1.5 W
Insertion loss	1 dB
Frequency response	300 to 3400 Hz
Echo return loss	Better than 15 dB
THD	2%
Signal to noise	40 dB
Station side Line length	6,096 m (2,000 ft)

Table 5: Optical Specifications

Parameter	Specification
Fiber optic interface	ST/SC type connector
Transmitter wavelength	Multi-mode: 850 nm Single-mode: 1310 nm
Transmitter power output	Multi-mode: -17dBm Single-mode: -11dBm
Receiver sensitivity	Multi-mode: -39dBm Single-mode: -39dBm
Fiber optic type	Multi-mode fiber: 62.5/125 μm Single-mode fiber: 9/125 μm
Fiber span distance	Multi-mode: 5 km (3 miles) Single-mode: 50 km (31 miles)

Table 6: Environmental Specifications

Parameter	Specification
Operating temperature	-40°C to 65°C (-40°F to 149°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)
Humidity (non-condensing)	20 to 80%
Altitude	-61 to 3048 m (-200 ft to 10,000 ft) above sea level