

## 2.5 Specifications

**Table 5: Electrical Specifications**

Parameter	Specification
CO side power consumption	1.6 W maximum with 24 Vdc across Tip and Ring
Line impedance	600 ohm nominal
Sealing current CO side	4 mA maximum
Group delay	250 usec
Frequency response	+1 to -3 dB, 300 to 3,400 Hz
Insertion loss	+1 to -1 dB @ 1 KHz
Line length CO side	5486 meters (18,000 ft) maximum
Line length Station side	609 m (2,000 ft)
Fiber optic interface	ST/SC type connector
Transceiver wavelength	850 nm or 1310 nm
Fiber optic type	Multi-mode fiber: 62.5/125 μm Single-mode fiber: 9/125 μm
Maximum fiber span distance	Multi-mode fiber: 850 nm (2 km or 1.2 miles) Single-mode fiber: 1310 nm (16 km or 9.9 miles)

**Table 6: Regulatory Specifications**

Network Protections:	FCC part 68
Emissions	FCC part 15, Class A
Electrostatic Discharge	IEC 61000-4-2, Telcordia GR-1089-CORE
Immunity to electrical fast transient	IEC 61000-4-4
Immunity to surge	IEC 61000-4-5
Drop Test	Telcordia GR-63-CORE, Section 4.3

**Table 7: 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