

Office Environments Industrial Fiber Cable: Plenum 24-Fiber 62.5 OM1



L1-24-FTB-OM1-08P

Tight-Buffered Fiber Cable, Plenum, 24 F,
62.5 μ m multimode (OM1), Orange

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	62.5 μ m MM (OM1)
Standards	
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Resistance	NFPA 262 (for plenum, riser and general building applications)
Cable Design	
Central Element	Yarn
Fiber Count	24
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*

Cable Design (Cont.)	
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange
Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)
Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	7.8 mm (0.31 in)
Weight	64 kg/km (45 lb/1000 ft)
Min. Bend Radius Installation	117 mm (4.6 in)
Min. Bend Radius Operation	78 mm (3.1 in)
Optical Characteristics (Cabled)	
Fiber Core Diameter	62.5 µm
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / - m
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / - MHz*km