

## Office Environments Industrial Fiber Cable: Plenum 6-Fiber 62.5 OM1



<b>L1-06-FTB-OM1-08P</b>	Tight-Buffered Fiber Cable, Plenum, 6 F, 62.5 $\mu$ m multimode (OM1), Orange
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General Specifications	
<b>Environment</b>	Indoor
<b>Application</b>	General Purpose Horizontal, Vertical Riser, Plenum
<b>Cable Type</b>	Tight-Buffered
<b>Product Type</b>	Distribution
<b>Flame Rating</b>	Plenum (OFNP)
<b>Fiber Category</b>	62.5 $\mu$ m MM (OM1)
Standards	
<b>Approvals and Listings</b>	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
<b>Flame Resistance</b>	NFPA 262 (for plenum, riser and general building applications)
Cable Design	
<b>Central Element</b>	Yarn
<b>Fiber Count</b>	6
<b>Tight Buffer Color</b>	Blue, Orange, Green, Brown, Slate, White
<b>Tensile Strength Elements and/or Armoring - Layer 1</b>	Dielectric strength members
<b>Number of Ripcords</b>	1
<b>Outer Jacket Material</b>	Flame-retardant
<b>Outer Jacket Color</b>	Orange

Temperature Range	
<b>Storage</b>	-40 °C to 70 °C (-40 °F to 158 °F )
<b>Installation</b>	0 °C to 60 °C (32 °F to 140 °F )
<b>Operation</b>	0 °C to 70 °C (32 °F to 158 °F )
Mechanical Characteristics Cable	
<b>Max. Tensile Strength, Short-Term</b>	440 N (100 lbf)
<b>Max. Tensile Strength, Long-Term</b>	132 N (30 lbf)
<b>Nominal Outer Diameter</b>	5.3 mm (0.21 in)
<b>Weight</b>	27 kg/km (19 lb/1000 ft)
<b>Min. Bend Radius Installation</b>	80 mm (3.2 in)
<b>Min. Bend Radius Operation</b>	27 mm (1.1 in)
Optical Characteristics (Cabled)	
<b>Fiber Core Diameter</b>	62.5 µm
<b>Fiber Category</b>	OM1
<b>Fiber Code</b>	K
<b>Performance Option Code</b>	30
<b>Wavelengths</b>	850 nm / 1300 nm
<b>Maximum Attenuation</b>	3.4 dB/km / 1.0 dB/km
<b>Serial 1 Gigabit Ethernet</b>	300 m / 550 m
<b>Serial 10 Gigabit Ethernet</b>	33 m / - m
<b>Min. Overfilled Launch (OFL) Bandwidth</b>	200 MHz*km / 500 MHz*km
<b>Minimum Effective Modal Bandwidth (EMB)</b>	220 MHz*km / - MHz*km