

## Office Environments Industrial Fiber Cable: Plenum 2-Fiber 009 OS1



<b>L1-02-FTB-OS1-05P</b>	Tight-Buffered Cable, Plenum, 2 F, Single-mode (OS1), Yellow
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<b>General Specifications</b>	
<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>	Single-mode (OS1)
<b>Standards</b>	
<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)
<b>Cable Design</b>	
<b>Central Element</b>	Yarn
<b>Fiber Count</b>	2
<b>Tight Buffer Color</b>	Blue, Orange
<b>Tensile Strength Elements and/or Armoring - Layer 1</b>	Dielectric strength members
<b>Outer Jacket Material</b>	Flame-retardant
<b>Outer Jacket Color</b>	Yellow

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	5 mm (0.2 in)
Weight	21 kg/km (15 lb/1000 ft)
Min. Bend Radius Installation	75 mm (3 in)
Min. Bend Radius Operation	25 mm (1 in)
Optical Characteristics (Cabled)	
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.50 dB/km