

## Office Environments Industrial Fiber Cable: Plenum 24-Fiber 009 OS1



<b>L1-24-FTB-OS1-05P</b>	Tight-Buffered Cable, Plenum, 24 F, Single-mode (OS1), Yellow
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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>	Single-mode (OS1)
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>	24
<b>Tight Buffer Color</b>	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
<b>Tensile Strength Elements and/or Armoring - Layer 1</b>	Dielectric strength members
<b>Tight Buffer Color, Layer 2</b>	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
<b>Tensile Strength Elements and/or Armoring - Layer 2</b>	Dielectric strength members

<b>Cable Design (Cont.)</b>	
<b>Number of Ripcords</b>	1
<b>Outer Jacket Material</b>	Flame-retardant
<b>Outer Jacket Color</b>	Yellow
<b>Temperature Range</b>	
<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 )
<b>Mechanical Characteristics Cable</b>	
<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>	7.8 mm (0.31 in)
<b>Weight</b>	64 kg/km (45 lb/1000 ft)
<b>Min. Bend Radius Installation</b>	117 mm (4.6 in)
<b>Min. Bend Radius Operation</b>	78 mm (3.1 in)
<b>Optical Characteristics (Cabled)</b>	
<b>Fiber Category</b>	G.652.D
<b>Fiber Code</b>	E
<b>Performance Option Code</b>	31
<b>Wavelengths</b>	1310 nm / 1383 nm / 1550 nm
<b>Maximum Attenuation</b>	0.65 dB/km / 0.65 dB/km / 0.50 dB/km