

# Anixter Level 1 for Industrial Network Environments

## Industrial Fiber Cable: Plenum 12-Fiber 50.0 OM3



<b>L1-12-FTB-OM3-16P</b>	Tight-Buffered Fiber Cable, Plenum, 12 F, 50.0 μm multimode (OM3), Aqua
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General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 μm MM (OM3)
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	12
Tight Buffer Color	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members

Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua
<b>Temperature Range</b>	
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 )
<b>Mechanical Characteristics Cable</b>	
Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	6.1 mm (0.24 in)
Weight	37 kg/km (26 lb/1000 ft)
Min. Bend Radius Installation	92 mm (3.6 in)
Min. Bend Radius Operation	31 mm (1.2 in)
<b>Optical Characteristics (Cabled)</b>	
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / - m
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / - MHz*km

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