

# Anixter Level 1 for Industrial Network Environments

## Industrial Fiber Cable: Plenum 6-Fiber 50.0 OM3



<b>L1-06-FTB-OM3-16P</b>	Tight-Buffered Fiber Cable, Plenum, 6 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	6
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

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	5.3 mm (0.21 in)
Weight	27 kg/km (19 lb/1000 ft)
Min. Bend Radius Installation	80 mm (3.2 in)
Min. Bend Radius Operation	27 mm (1.1 in)
Optical Characteristics (Cabled)	
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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