

Anixter Level 1 for Industrial Network Environments

Industrial Fiber Cable: Plenum 2-Fiber 50.0 OM3



L1-02-FTB-OM3-16P	Tight-Buffered Fiber Cable, Plenum, 2 F, 50.0 μm multimode (OM3), Aqua
--------------------------	--

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	2
Tight Buffer Color	Blue, Orange
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
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)
Weight	21 kg/km (15 lb/1000 ft)
Nominal Outer Diameter	5 mm (0.2 in)
Min. Bend Radius Installation	75 mm (3 in)
Min. Bend Radius Operation	25 mm (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

Electrical and Electronic Wire & Cable • Enterprise Cabling & Security Solutions • OEM Supply – Fasteners
 Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global distributor of enterprise cabling and security solutions, electrical and electronic wire and cable, and OEM supply – fasteners and other small parts.
 We reduce risk, complexity and cost from our customers' purchasing decisions, business processes and supply chains.

Anixter does not manufacture these products. Any product warranties are provided by the applicable manufacturers. Data and suggestions made are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. TO THE FULLEST EXTENT PERMITTED BY LAW, ANIXTER DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED. ANIXTER MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT THE ACCURACY OR COMPLETENESS OF ANY INFORMATION PROVIDED.