Laser Optimized Multi-Mode 50 um OM5

Description:

These small fiber bundles are designed for installation into the FutureFLEX™ Air-Blown Fiber tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor installations.

Features

- Up to 48 fibers per bundle
- Industry standard OM5
- Fibers individually color coded per TIA standards
- Aqua aerodynamic jacket allows long distance blows
- Ripcords for easy bundle entry
- UL listed for use with fire-rated tube cables
- Meets ICEA, TIA and UL standards
- Meets IEEE 802.3z Gigabit Ethernet standard
- Gigabit laser optimized 50/125 multimode

Specifications

Property	Specification	
Fiber Bundle Jacket material	Polyethylene Extruded Foam (PEF)	
Fiber Bundle Jacket color	Lime	
Core diameter	50 micron	
Cladding diameter	125 micron	
Buffer / acrylate diameter	250 micron	
Fiber Capacity	100Gbps WDM	150M
	40Gbps WDM	440M
	40 GBASE-SR4/100GBASE-SR4	200M
Overfilled Modal Bandwidth (OFL)	850nm	≥3500 MHz.km
	953nm	≥1850 MHz.km
	1300nm	≥500 MHz.km
Effective Modal Bandwidth (EMB)	850nm	≥4700 MHz.km
	1300nm	≥2470 MHz.km
Fiber Bundle Minimum Bend Radius	1.5”	

Physical Characteristics

Part Number	Fiber Type	Description	Outside Diameter (in./mm.)	Max Weight (lbs./kft.)	Std Length (490 Bobbin)	Max Length (600 Bobbin)
FB06G5W	50/125 OM5	Multimode 6-fiber	0.08 / 2.0	0.4	14,000	40,000
FB12G5W	50/125 OM5	Multimode 12-fiber	0.08 / 2.0	3.4	7,000	38,000
FB24G5W	50/125 OM5	Multimode 24-fiber	0.12 / 3.0	3.4	7,000	16,500
FB48G5W	50/125 OM5	Multimode 48-fiber	0.15 / 3.7	5.6	6,500	11,000