Alcatel 6930 **50/125 Multimode Fiber**



Alcatel's 50/125 Multimode

graded index fiber is one of Alcatel's preeminent fibers for Multimode applications. The fibers have been designed to satisfy the increasing pressure on service providers to support the exponential growth in high-speed transmission over shorter distances, including corporate and campus environments.

As one of the world's largest manufacturers of communications products, Alcatel has the expertise, technology and manufacturing resources to provide a total end-to-end solution to support your fiber, cable, and systems requirements.

Alcatel graded index Multimode fibers operate in both the 850nm and 1300nm regions and are ideally suited for use in Local Area Networks (LANs) for data, voice, and video transmissions.

The 50/125 Multimode fiber is an economical solution fully compatible with all of the major industry network standards available on the market today, including FDDI, Ethernet, Fast Ethernet, ATM, and Token Ring. The 50/125 Multimode fiber is also guaranteed for use in a variety of cables, including loose tube and tight buffer cable.

All of Alcatel's Multimode fibers are further enhanced with Alcatel's unique processes, including the Alcatel Fiber Coating (AFC™) process. The AFC™ coating ensures fiber durability and robustness even in harsh environments. Additionally, Alcatel's Multimode fibers benefit from their Furnace Chemical Vapor Deposition (FCVD) process. The FCVD process ensures superior geometry and uniformity, as well as enhanced purity.

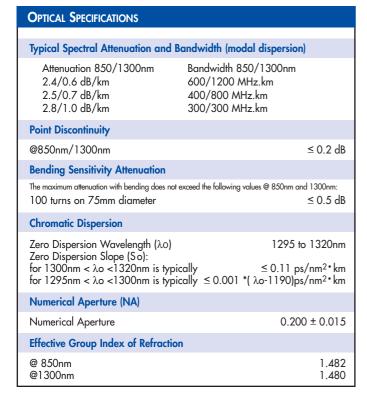
FEATURES	BENEFITS
Operates at both 850nm and 1300nm wavelengths	Enhanced transmission capacity
Optimized to take advantage of lower-cost transceivers (LEDs)	Significant cost savings
 Compatible with all major network standards, including FDDI, Ethernet, Fast Ethernet, Token Ring and ATM 	Operational flexibility
Utilizes Alcatel's proprietary Furnace Chemical Vapor Deposition (FCVD) process	Ensures fiber with superior geometry and uniformity, as well as enhanced purity
 Utilizes Alcatel's unique AFC[™] fiber coating, specially formulated for Multimode 	Provides superior durability and robustness even in the harshest conditions, resulting in lower maintenance and replacement costs

KEY INDUSTRY LEADING MILESTONES

- 1999- Introduced Alcatel's AFC™ coating specifically designed to provide superior aging performance for Multimode fibers and better stability during the coating process
- 2000- Introduced Alcatel's proprietary Furnace Chemical Vapor Deposition (FCVD) fiber production process to ensure the highest quality fiber



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Fibers with different characteristics and lengths available upon request References for products: IEC pub 60793/2 EN 188000-206 Alcatel reserves the right to change specifications without prior notice.

GENERAL SPECIFICATIONS				
Core Diameter Core Non-Circularity Cladding Diameter Cladding Non-Circularity Core/Cladding Concentricity Error Coating Diameter	$50 \pm 3 \mu m$ ≤ 6% $125 \pm 2 \mu m$ ≤ 2% ≤ $3 \mu m$ $245 \pm 15 \mu m$			
Coating Non-Circularity Coating/Cladding Concentricity Error	≤ 6% ≤ 12.5µm			

Environmental Specifications				
Induced Attenuation Change@ 850 &1300nm				
Operating Temperature -60 to +85°C Temperature/Humidity Cycling -10/+70°C RH 95%	≤0.2 dB/km ≤0.2 dB/km			

MECHANICAL SPECIFICATIONS			
Proof-test Proof-test			
The entire length is subjected to a tensile proof-test > 100 kpsi.			
Other Values			
Stress corrosion factor (n) Strippability (50-500mm/minute)	≥20 >1N		
Delivery Lengths			
1.1, 2.2, 3.3, 4.4, 5.5, 6.6, 7.7, 8.8 km			

References for measurements EC Pub 60793 1-1, 1-2, 1-3, 1-4, 1-B6 EIA-TIA 455-31C/46A/58A/59/168A/173/176/177A/204

For additional information visit Alcatel online or call your nearest Optical Fiber Sales Representative

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