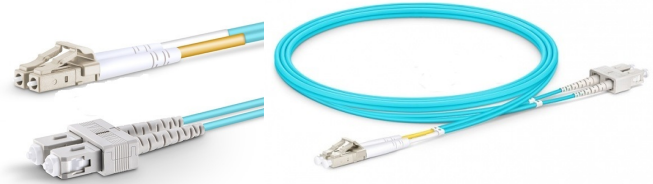


**Product Specification**

**FEATURES:**

- Compliant with TIA/EIA-568B.3 standard
- Compliant with ITU G.651
- Connectors meet IEC60874 and IEC61754
- Environmental and mechanical tests based on IEC61300-2-1,2,4,5,6,17 & IEC61300-3-1,4,11
- Provide total immunity to electrical interference. RoHS compliant
- LSZH Flame Retardant according to IEC 60332-1, Zero halogen non corrosive according to IEC60754-2



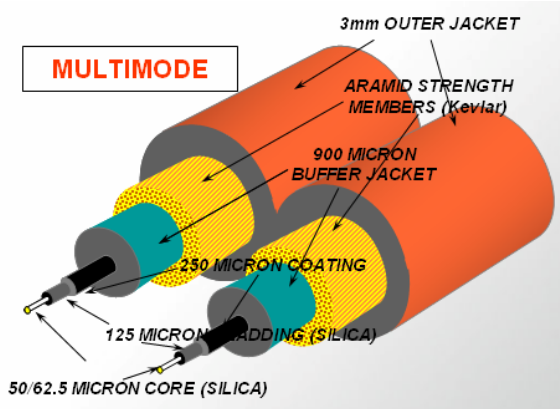
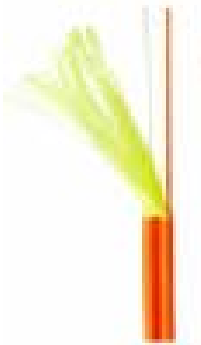
**APPLICATIONS:**

- Telecom network, CATV, active device termination, end equipment, LAN & WAN & FTTH

**I. Fiber Characteristics**

Geometrical Characteristics		
Core diameter	OM2/OM3/OM4 50±2.5um	OM1 62.5±2.5um
Cladding diameter	125±1.0um	125±1.0um
Core/Cladding Concentricity Error	≤1.5um	≤1.5um
Cladding Non-Circularity	≤1%	≤1%
Coating Diameter (uncolored)	243±7um	243±7um
Cladding/Coating Concentricity Error	≤12um	≤12um
Mechanical Characteristics		
Proof test level	≥1%	≥1%
Fiber Strength	10m, weibull lowest probability level: 2.76Gpa (15%)	
Dynamic Corrosion parameter	≥20nd	≥20nd
Curl Radius	≥4m	≥4m
Strip force	Average Value	1~5N
	Peak Value	1.3~8.9N
Operational Characteristics		
Temperature (-60°C ~ +85°C)	Additional attenuation≤0.20dB/km is allowed at wavelength 850nm and 1300nm	
Immersing test (23±2°C,30days)		
Humidity and heat test condition (85°C±2°C, above 85%RH, 30days )		
Heating aging test (85°C±2°C, 30days)		

**II. Cable Construction**



**III. Connector Mechanical Characteristics & Cord Performance**

Type	FC	ST	SC	LC
Connector Ferrule diameter	2.5mm	2.5mm	2.5mm	1.25mm
IL	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
RL	PC	≥35dB	≥35dB	≥35dB
	UPC	≥40dB	≥40dB	≥40dB
Working temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
Repeatability	≤0.1dB	≤0.1dB	≤0.1dB	≤0.1dB

**IV. Patch cord Characteristics**

Mechanical test	Additional loss
Mating durability: min.1000times	≤0.1dB
Cable retention:100N×2, 120s	≤0.2dB
Strength of coupling mechanism: 40N×2, 120s	≤0.1dB
Drop test: 1.5m, 5times	≤0.2dB
Vibration: 10-500Hz,1.5mm amplitude	≤0.1dB
Temperature test	Additional loss
Cold environment storage: -40°C, 96h	≤0.2dB
High temperature storage: +85°C, 96h	≤0.2dB
Temperature change: -40°C~+85°C, 20cycles	≤0.2dB
Damp heat: +25°C~+65°C, 93%RH,100h	≤0.2dB