

**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 & IEC 60332 & IEC60754-1,2
- provide total immunity to electrical interference
- RoHS compliant



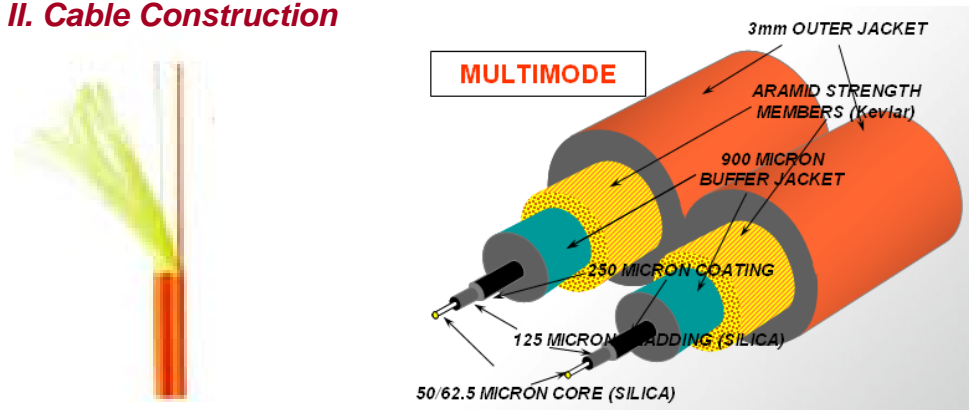
**APPLICATIONS:**

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

**I. Fiber Characteristics**

Geometrical Characteristics			
Core diameter		50±2.5um	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	1~5N
	Peak Value	1.3~8.9N	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

**ORDERING INFORMATION:**

Part No: 21vwxyzzz

Description: Premium Line multimode fiber optic patch cord

FO MM patch cord	Transmission Mode	Cable Type	Connector Type		Length (m)
			A end	B end	
21: UPC	1: OM1 62.5/125um	1: simplex, PVC, 3.0mm	6: SC/UPC	6: SC/UPC	010: 1.0m
	2: OM2 50/125um	2: simplex, LSOH, 3.0mm	7: ST/UPC	7: ST/UPC	020: 2.0m
	4: OM3	3: simplex, PVC, 2.0mm	8: FC/UPC	8: FC/UPC	030: 3.0m
	9: OM4	4: simplex, LSOH, 2.0mm	9: LC/UPC	9: LC/UPC	050: 5.0m
	8: OM5	5: duplex, PVC, 3.0mm			070: 7.0m
		6: duplex, LSOH, 3.0mm			100: 10.0m
		7: duplex, PVC, 2.0mm			900: 90.0m
		8: duplex, LSOH, 2.0mm			

Ex: 211566010 is SC/UPC-S/UPC Duplex PVC Multimode 62.5/125um Patch Cord 1M

Packing:

length	1m	2m	3m	5m	10m
	1pc on paper card in PE bag with test protocol				
Qty per box	30	30	25	20	15
Inner box dimension	29.2*21.2*21 cm				
Qty per carton	120	120	100	80	60
Outer carton dimension	45*30*47 cm				

Premium-Line Systems GmbH, Rosenheimer Str.89, D-83064 Raubling, Germany

► TEL: + 49(0)8035 9836 0 ► Fax: + 49(0)8035 9836 22