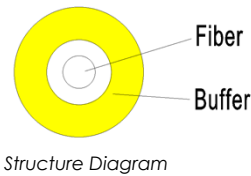


600um & 900um Buffered Optical Cable Multimode and Single Mode

Description

The buffer cable uses 250um fiber as optical transmission medium, then a sheath is extruded, the sheath may be LSZH, PVC etc. According to the stripping can be divided into loose buffer, semi-tight buffer, tight buffer.



Features

- Buffered fiber with excellent strippability
- Excellent geometrical dimension of the fiber

Applications

- Optical fiber jumper or pigtail
- Interconnection between instruments and communication equipment

Optical Fiber Characteristic

Fiber Type	After cabled max attenuation(dB/km)				Overfilled modal bandwidth(OFL)	Effective modal bandwidth	Minimum bending radius
	1310nm	1550nm	850nm	1300nm	850/1300nm (MHZ.km)	850/953nm (MHZ.km)	mm
G.652.D	0.4	0.3	-	-	-	-	16
G.657.A1	0.4	0.3	-	-	-	-	10
G.657.A2	0.4	0.3	-	-	-	-	7.5
G.657.B3	0.4	0.3	-	-	-	-	5
OM1	-	-	3.5	1.5	≥200/500	-	37.5
OM2	-	-	3.5	1.5	≥500/500	-	7.5
OM3	-	-	3.5	1.5	≥1500/500	≥2000	7.5
OM4	-	-	3.5	1.5	≥3500/500	≥4700	7.5
OM5	-	-	3.5	1.5	≥3500/500	≥4700/2470	7.5

Buffer Color (IEC TR 63194), Table 1

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Purple	Pink	Aqua

Constructions and Technical Parameters

Items		Descriptions	
Fiber counts		1	
Buffer fiber	Material	LSZH/PVC	
	Diameter(mm)	0.6	0.9
	Color	TBD	
Minimum bending radius	Static(mm)	30	
	Dynamic(mm)	60	

Mechanical and Environmental Characteristics

Buffer fiber	Buffer fiber		Test Method	Buffer fiber
Tensile performance	Short-term	6N	IEC 60794-1-21 Method E1	IEC 60794-2-10
	Long-term	3N		
Crush resistance	Short-term	500N/10cm	IEC 60794-1-21 Method E3	IEC 60794-2-10
	Long-term	100N/10cm		
Temperature range	-20 °C to +60 °C		IEC 60794-1-22 Method F1	IEC 60794-2-10
Other parameters: according to IEC 60794-2-10 and IEC 60794-1-21				

Environmental Temperature

Items	Value
Installation temperature	-5 °C to +50 °C
Operation temperature	-20 °C to +60 °C
Storage temperature	-20 °C to +60 °C

Packing

Plastic drums protection. During transportation, right tools should be used to avoid damaging the package and to handle with ease. Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage.

Delivery Length

Standard delivery length is 2km/drum. Other lengths available upon agreement.

Chemical Characteristics

Free of hazardous substances according to RoHS 2015/863/EU

Revision History

Revision	Date	Changes
2	2025.03.24	Update template

Rev.	Draft	Date	Check	Date	Approved	Date
2	Tina	2025.03.24	Jasson	2025.03.24	Leo	2025.03.24