GJPFJH Multimode Fiber Optic Cable

Core size 50/125

GJPFJH Multimode Fiber Optic Cable

Variants

6 Core 6MM

Details

LSZH Tight Buffer Indoor Fiber Optic Cable – 6 Core

Model: GJPFJH | Diameter: 6.0mm | Fiber Options: G.652D / G.657A1 / G.657A2

Cable Construction

Item	Details
Model	GJPFJH
Fiber Count	6 Core
Tight Buffer Fibers	6 cores
Strength Member	Aramid Yarn
Outer Jacket	LSZH
Cable Color	Yellow

Cable Parameters

Parameter	Specification

Tight Buffer Material	LSZH
Tight Buffer OD	0.9mm (±0.05mm)
Outer Sheath Material	LSZH
Sheath Color	Yellow
Cable Diameter	6.0mm (±0.3mm)
Cable Weight	32 kg/km (±5 kg)
Operating Temperature	-20°C to +60°C
Storage / Transport Temperature	-20°C to +60°C
Installation Temperature	-20°C to +60°C

Tight Buffer Fiber Color Code

No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White

Single-Mode Fiber Specifications

Parameter	G.652D	G.657A1	G.657A2
Wavelength	1310 / 1550nm	1310 / 1550nm	1310 / 1550nm

Attenuation (Typical)	0.36 / 0.22 dB/km	0.36 / 0.22 dB/km	0.36 / 0.22 dB/km
Attenuation (Max)	0.50 / 0.40 dB/km	0.50 / 0.40 dB/km	0.50 / 0.40 dB/km
Zero Dispersion Slope	?0.091	?0.092	?0.092
Dispersion 1285–1340nm	-3.5 ~ +3.5 ps/(nm·km)	-3.5 ~ +3.5 ps/(nm·km)	-3.5 ~ +3.5 ps/(nm·km)
Mode Field Diameter @1300nm	9.3 ± 0.4 ?m	8.8 ± 0.4 ?m	8.8 ± 0.4 ?m
Cutoff Wavelength	?1260nm	?1260nm	?1260nm
Minimum Bend Radius	16mm	10mm	7.5mm
Cladding Diameter	125 ± 1.0 ?m	125 ± 1.0 ?m	125 ± 1.0 ?m

Multi-Mode Fiber Specifications (If Applicable)

Parameter	62.5/125	50/125	OM3	OM4	OM5
Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/953/1300nm
Attenuation (Typ.)	3.0 / 1.0	3.0 / 1.0	3.0 / 1.0	3.0 / 1.0	3.0 / — / 1.0
Attenuation (Max)	3.5 / 1.5	3.5 / 1.5	3.5 / 1.5	3.5 / 1.5	3.5 / — / 1.5
Bandwidth @850nm	?200	?500	?1500	?3500	?3500
Bandwidth @953nm	—	—	—	—	?1850
Bandwidth @1300nm	?500	?500	?500	?500	?500

Effective Modal BW	—	—	?2000	?4700	?4700
10G Ethernet SX	—	—	?300	?550	?600
Minimum Bend Radius	30mm	30mm	7.5mm	7.5mm	7.5mm
Cladding Diameter	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0

Mechanical & Environmental Performance

Test Item	Standard	Conditions	Acceptance Criteria
Tensile Loading	IEC 60794-1-E1	440N, 1 min	?Att@1550nm ? 0.1dB, No damage
Crush Test	IEC 60794-1-E3	1000N/100mm, 1 min ×10	?Att ?0.1dB, No cracking
Impact Resistance	IEC 60794-1-E4	1m drop, 50g, 5 points	?Att ?0.1dB
Repeated Bending	IEC 60794-1-E6	±90°, 0.5kg, 100 cycles	?Att ?0.1dB
Torsion Test	IEC 60794-1-E7	0.5m, 10 mins	?Att ?0.1dB
Temperature Cycle	IEC 60794-1-F1	?20°C ? +60°C	?Att ?0.1dB
Bending Radius	—	Static ?10×OD / Dynamic ?20×OD	Static ?60mm / Dynamic ?120mm

Packaging & Marking

Item	Description
Packaging	Fumigated wooden drum

Drum Size (1km)	650 × 650 × 500 mm
Cable Ends	Both ends inside drum, spare ?1m
Marking	Inkjet print: Brand, Cable Type, Fiber Type, Count, Year, Length

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