



**HFCL Limited**  
**(OFC Testing LAB)**

Plot No S-9, Survey No.-26P, 62P, 88P. Electronic City, Raviryala, Maheshwaram (M), Rangareddy District-  
Telangana-51359 (India)

**TESTING CHARGES FOR FIBRE**

Rev 00/15.05.2024

Sr. No.	Specific Test Performed	Test method	Cost / Fibre
1	Accelerated Aging [Dry heat (steady state) tests]	IEC 60793-1-51; IS/IEC 60793-1-51 IEC 60793-2-50	150000
2	Dynamic Tensile strength (Un aged)	IS/IEC 60793-1-31 Method A IEC 60793-2-50 EIA/TIA-455-28-C; GR	25500
3	Dynamic Tensile strength (Aged)	IS/IEC 60793-1-31 Method A IEC 60793-2-50 EIA/TIA-455-28-C; GR	25500
4	High temperature and High Humidity [Damp heat (steady state) tests]	IS/IEC 60793-1-50 IEC 60793-2-50	360000
5	Macro bending Loss (1,10,100 Nos. Turn on 5 mm to 30 mm radius mandrel)	IS/IEC 60793-1-47 Method A EIA/TIA-455-62-C; IEC 60793-2-50; ITU-T G.655; ITU-T G.650.1, Clause 6.6; ITU-T G.652; ITU-T G.657 GR-20- CORE Issue 4, Clause 4.3.6	5000
6	Retention of Coating Colour	IS/IEC 60793-1-51; IEC 60793-2-50	487500
7	Stress Corrosion Susceptibility	IS/IEC 60793-1-33: Method A,B,C,D IEC 60793-2-50 GR-20-CORE Issue 4, Clause 4.5.4	52000
8	Temperature and Humidity Cycling	EIA/TIA 455-73	252000
9	Temperature Cycle Test	IS/IEC 60793-1-52; IEC 60793-2-50	36000
10	Water Immersion Test	IS/IEC 60793-1-53; IEC 60793-2-50; GR-20-CORE Issue 4, Clause R4-19,21,22, Table 6-18	35200
11	Fibre Fusibility	GR-20-CORE Issue 4, Clause 4.6.2	5000
12	Attenuation Test at 1310 nm, 1383nm, 1550 nm, 1490 nm & 1625 nm Test / Optical Length Test	IS/IEC 60793-1-40 Method C IEC 60793-2-50; ITU-T G.655 ITU-T G.650.1, Clause 6.4.2 ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.3.1 & 6.8.1 IS/IEC 60793-1-22: Method B	5000
13	Attenuation Variation with Wavelength Test / Spectral Attenuation Test	IS/IEC 60793-1-40 Method A IEC 60793-2-50; ITU-T G.655 ITU-T G.650.1, Clause 6.4.1 ITU-T G.652; ITU-T G.657	5000
14	Point Discontinuities / Sudden Irregularities in Attenuation	IS/IEC 60793-1-40 Method C GR-20-CORE Issue 4, Clause 4.3.2	
15	Chromatic Dispersion Test	IS/IEC 60793-1-42, Method B IEC 60793-250 EIA/TIA-455-175-C Method A 2020; ITU-T G.655, ; ITU-T G.650.1, Clause 6.5.1; ITU-T G.652; ITU-T G.657	5000

\*The above fees are basic values, exclusive of GST

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Sr. No.	Specific Test Performed	Test method	Cost / Fibre
		GR-20- CORE Issue 4, Clause 4.3.3	
16	Clad / Coating Concentricity Error Test	IEC 60793-1-21, Method A IS/IEC 60793-1-21, Method A IEC 60793-2-50 GR-20-CORE Issue 4, Clause 4.4	5000
17	Clad Diameter Test	IEC 60793-1-20, Method B IS/IEC 60793-1-20, Method B IEC 60793-2-50; ITU-T G.655, ITU-T G.650.1: Clause 6.2.4; ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.4	5000
18	Clad Non-Circularity Test	IEC 60793-1-20, Method B IS/IEC 60793-1-20, Method B IEC 60793-2-50; ITU-T G.655, ITU-T G.650.1: Clause 6.2.4 ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.4	5000
19	Coating Non- Circularity Test	IEC 60793-1-21, Method A IS/IEC 60793-1-21, Method A IEC 60793-2-50; GR-20-CORE Issue 4, Clause 4.4	5000
20	Core Clad Concentricity Error Test	IEC 60793-1-20, Method B IS/IEC 60793-1-20, Method B IEC 60793-2-50; ITU-T G.655, ITU-T G.650.1 : Clause 6.2.4 ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.4	5000
21	Curl Test	IS/IEC 60793-1-34 : IEC 60793-1-34 : IEC 60793-2-50 EIA/TIA-455-111-B GR-20- CORE Issue 4, Clause 4.4	5000
22	Diameter over Primary Coated Optical Fibre Test	IEC 60793-1-21, Method A IS/IEC 60793-1-21, Method A IEC 60793-2-50 GR-20-CORE Issue 4, Clause 4.4	5000
23	Fibre Cut Off Wavelength Test / Cable Cut Off Wavelength Test	IEC 60793-1-44, Method A,B & C IS/IEC 60793-1-44, Method A,B & C IEC 60793-2-50 EIA/TIA-455-80-D Method A,B & C ITU-T G.655, ITU-T G.650.1, Clause 6.3.1 & 6.3.2 ITU-T G.652 : ITU-T G.657 GR-20- CORE Issue 4, Clause 4.3.4	5000
24	MEK Rub Test	IEC 60794-1-219	4800

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Sr. No.	Specific Test Performed	Test method	Cost / Fibre
25	Mode Field Diameter at 1310 nm & at 1550 nm Test	IS/IEC 60793-1-45 Method B IEC 60793-2-50 EIA/TIA-455-191-C Method B ITU-T G.655, ITU-T G.650.1: Clause 6.1.2 ITU-T G.652,; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.3.5	5000
26	Polarization Mode Dispersion Test	IEC 60793-1-48Method A&C IS/IEC 60793-1-48Method A&C IEC 60793-1-48 Method A EIA/TIA-455-113 IEC 60793-2-50; ITU-T G.655, ITUT G.650.1; ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.3.7	5000
27	Polarization Mode Dispersion LDV Test	IEC 60793-1-48Method A&C IS/IEC 60793-1-48Method A&C IEC 60793-1-48 Method A EIA/TIA-455-113 IEC 60793-2-50; ITU-T G.655, ITUT G.650.1; ITU-T G.652; ITU-T G.657 GR-20-CORE Issue 4, Clause 4.3.7	16000
28	Coating Strippability force / (Termination Temperature Sample) / Coating Strippability force (Sample Encapsulate in Dry-Block material) / Coating Strippability force (Sample Encapsulate in Gel-Filled material)	IEC 60793-1-32 IS/IEC 60793-1-32; EIA/TIA-455-178C IEC 60793-2-50; IEC 60794-3, Table 2 GR-20-CORE Issue 4, Clause 4.5.2 IEC 60794-1-219 IEC 60794-1-23 Method G10A & 10C	20000
29	Cable Compatibility Test	GR-20-CORE Issue 4,Clause 6.3.3/Table 4-4 IS/IEC 60794-3-11: Clause 7.3.3 ANSI/ICEA S-87-640: Clause 7.19 IEC 60794-1-219	100000