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### SPECIFICATION OF OPTICAL FIBER CABLE

Sl. No.	Parameters	Value
1	Type of the cable	Direct Burial in soil
2	Number of Fiber	6 Core of Single mode fiber
3	Loose Tube Material	PBTP, Nylon
4	Water Resistance	Thixotropic Jelly
5	Strength Material	Glass Fiber Reinforcements / Steel Wire
6	Moisture Barrier	Water Swellable tape
7	Armouring Material	Corrugated Copolymer Coated S.S Tape
8	Sheath / Jacket Compound	HDPE (anti-termite)
9	Overall armoring	GI Wire or strip armoured as per IS1554 standard
10	Overall sheath of cable	FRLS PVC
11	Attenuation at 1310 nm (dB/km)	less than 0.36
12	Attenuation at 1550 nm (dB/km)	less than G 652 fiber
13	Attenuation at 1550 nm (dB/km)	less than G 652 fiber
14	Tensile Strength (N)	As per IEC 794 - 1 -E1
15	Crush Resistance (N)	As per IEC 794 - 1-E3
16	Impact Resistance (N.m)	As per IEC 794 - 1-E4
17	Torsion Test	As per IEC 794 - 1-E7
18	Minimum Bending Radius (mm)	As per IEC 794 - 1-E11
19	Repeated Bending	As per IEC 794 - 1-E8
20	Water penetration Test	As per IEC 794 - 1-E5
21	Kink Resistance (mm)	As per IEC 794 - 1-E10
22	Make	Finolex, Reliance, LAPP, HFCL, Usha Martin, Birla Furukawa