



Paramount Communications Ltd.

Khushkhera Complex

OPTICAL FIBER CABLE

Paramount is one of the largest cable manufacturers in India & an undisputed leader in the business. Apart from its unchallenged presence in North India, Paramount is recognized as a single point source for a comprehensive range of cables needed by virtually every sector of the economy.

Paramount's latest state-of-the-art plant in Khushkhera (Rajasthan), has been set up to manufacture optical fiber cables conforming to IEC - 794, ITU-T, TEC & Indian Railways (TC-55-2000) specifications and are type approved by Dept. of Telecommunication, Govt. of India and Indian Railways.



OFC Plant Khushkhera

With a covered area of 10 acres, the plant is fully equipped to manufacture over 1600kms of single mode and multi mode optical fiber cables including armoured, unarmoured, aerial, All Dielectric Self Supporting Optical Fiber cables (ADSS Cables) and Optical Fiber Direct To Home (DTH) Cables. Optical Fiber Cables manufactured at Paramount are used in several applications like - Telecommunication Systems, Information Technology, Industries, Railways, Space Research, Energy Oil and Gas enterprises, Cable T.V. Networks, Defense Applications, Control/Automation Systems etc.



OFC Lab Khushkhera



Optical Fiber Cable for CATV Networks

Technical Specifications

Technical Characteristics

Delivery Information

S.No	Parameters	Referred Specification (Generally to)	Value
1.	Temperature range Operation Storage	IEC 794-1-F1	-20°C to +70°C -20°C to +70°C
2.	Tensile force	IEC 794-E1	800 N
3.	Crush Resistance	IEC 794-E3	1000 N (100x100mm plate)
4.	Impact Resistance	IEC 794-E4	10N-MTR.
5.	Bending Radius	IEC 794-E11	20 x Cable Diameter
6.	Abrasion test	IEC 794-E2	Passes
7.	Attenuation	at 1310nm at 1550nm	≤ 0.38db/km ≥ 0.25db/km

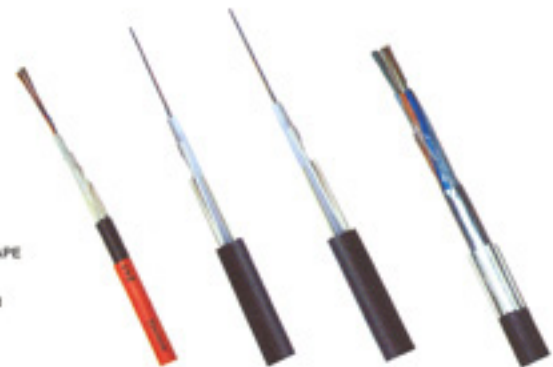
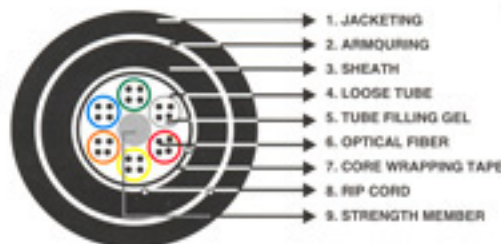
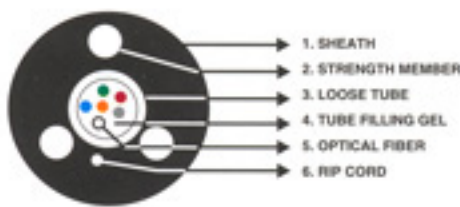
S. No.	Cable Type	Nom Dia±0.5mm	Length±10%
1.	2 Fiber	7.00	2000M
2.	4 Fiber	7.00	2000M
3.	6 Fiber	7.50	2000M
4.	8 Fiber	7.50	2000M
5.	12 Fiber	8.00	2000M

* Tailored lengths can be supplied in Tailored designs & diameters

Cable Construction

Single Mode Matched clad Optical Fiber	Conforming to international specification ITU-T-G652, Primary Coated Optical Fiber Colored with Blue, Orange, Green, Brown, Grey White, Red, Black, Yellow, Pink, Violet & Natural/Aqua
Loose Tube	PBTP
Tube filling Jelly	Hydrophobic Thixotropic Jelly
Strength Member	Fiber Reinforced Plastic (FRP) Rod
Cable Core	Uni tube / Multi tube
Sheath	High Density Polyethylene (HDPE)
Armouring	Corrugated steel tape/G.I. Wire
Jacketing	High Density Polyethylene (HDPE)
Rip Cord	Sufficient strength rip cord is provided below sheath to facilitate easy tearing of sheath for installation (optional).

CROSS SECTIONAL VIEW OF CATV



Paramount
CABLES

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