



# GLASS YARN OFC

Data Sheet No. 04

Sl.No.	PARAMETER	UNIT	SPECIFICATIONS	REMARKS
1	TYPE OF CABLE		04F CATV SM G652D FIBER WITH 2FRP ROD(2X1MM OD) & GLASS YARN	
2	FIBER	G652D	SM Matched Clad (As per G-652D)	
a)	FIBER SIZE	um	9 / 125 / 250	
b)	No. OF FIBERS / LOOSE TUBE	No.	2F to 12F	
c)	FIBER COLOUR IDENTIFICATION		BL & NT BL, OR, GR & NT BL, OR, GR, BR, SL & NT BL, OR, GR, BR, SL, WH, RD & NT BL, OR, GR, BR, SL, WH, RD, BK, VI, PK & NT	
3	OPTICAL PARAMETERS			
	ATTENUATION @ 1310nm	dB/Km	≤ 0.35	
	ATTENUATION @ 1550nm	dB/Km	≤ 0.23	
	WAVELENGTH			
	1310nm	db/km	0.35	
	1550nm	db/km	0.23	
	1625nm	db/km	0.21	
4	LOOSE TUBE / TIGHT BUFFER		LOOSE TUBE	
a)	MATERIAL		PBTP	
b)	No. OF LOOSE TUBES	No.	1	
c)	DIAMETER	mm	1.9 / 2.5	(Nominal)
d)	COLOUR OF LOOSE TUBE		NATURAL	
e)	SEQUENCE OF ELEMENTS IN CORE		NA	
f)	LOOSE TUBE GEL		THIXOTROPIC GEL	
4	FILLERS		NA	
5	CENTRAL STRENGTH MEMBER		NA	
5	JACKETING			
a)	MATERIAL		HDPE	
b)	COLOUR		BLACK	
c)	NOMINAL THICKNESS	mm	2.0/2.25/2.5	(Nominal)
d)	OVERALL DIAMETER (NOMINAL)	MM	6.1MM	(Nominal)
e)	RIP CORD		NA	
6	STRENGTH MEMBERS		YES	
a)	NUMBER		02	
b)	TYPE		FRP RODS	
c)	DIAMETER	MM	1MM	
d)	TYPE		GLASS YARN	
	GLASS YARN	KG	2 Kgs	
7	Mechanical Test			
a)	Tensile Strength		Approx 400 Newton	
b)	Bending Radius		15D	
c)	Crushing		700 Newton/100mm	
d)	Torsion		360	
8	Environmental Performance			
a)	Installation		Min -20/Max +70 Degree	
b)	Service		Min -20/Max +70 Degree	
c)	Storage		Min -20/Max +70 Degree	
9	CABLE WEIGHT (NOMINAL)	Kg/Km	38	(Nominal)
10	STANDARD LENGTH +/- 5%	Mtrs	AS PER CUSTOMER'S REQUIREMENT	
11	TYPE OF PACKING		WOODEN DRUM	
12	PRINTING DETAILS		WILLETT	