



# CATV OFC 2F TO 12F

Data Sheet Number: 02

SL.No.	PARAMETER	UNIT	SPECIFICATIONS
1	TYPE OF CABLE		2F TO 12F SM UT NON ARMoured WITH 2FRP ROD OFC
2	FIBER	ITU-T G.652D	SM Matched Clad as per International Telecommunication Union(ITU-T G.652)
a)	FIBER SIZE	um	9 / 125 / 250
b)	No. OF FIBERS / LOOSE TUBE	No.	2F TO 12F
c)	FIBER COLOUR IDENTIFICATION		
	02F	No.	BL & NT
	04F	No.	BL, GR, GR & NT
	06F	No.	BL, GR, GR, BR, SL & NT
	08F	No.	BL, GR, GR, BR, SL, WH, RD & NT
	12F	No.	BL, GR, GR, BR, SL, WH, RD, BK, VI, PK & NT
3	OPTICAL PARAMETERS		
	ATTENUATION @ 1310nm	dB/Km	≤ 0.34
	ATTENUATION @ 1550nm	dB/Km	≤ 0.23
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
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
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

TECHNICAL SPECIFICATIONS OF OPTIC FIBER CABLE

TYPE OF CABLE : 2F-12F WITH 3 FRP ROD CATV CABLE



SL.No.	PARAMETER	UNIT	SPECIFICATIONS
1	<b>TYPE OF CABLE</b>		<b>2F-12F CATV SM G652D FIBER WITH 3FRP ROD</b>
2	<b>FIBER</b>	ITU - T662	SM Matched Clad
a)	FIBER SIZE	um	9 / 125 / 250
b)	No. OF FIBERS / LOOSE TUBE	No.	<b>2F-12F</b>
c)	FIBER COLOUR IDENTIFICATION		
	D6F	No.	BLUE, ORANGE, GREEN, BROWN, GREY, WHITE, RED, BLACK, YELLOW, VIOLET, PINK & NATURAL
3	<b>OPTICAL PARAMETERS</b>		
	ATTENUATION @ 1310nm	dB/Km	≤ 0.35
	ATTENUATION @ 1550nm	dB/Km	≤ 0.23
	<b>WAVELENGTH</b>		
	1310nm	db/km	<u>0.35</u>
	1550nm	db/km	<u>0.23</u>
	1625nm	db/km	<u>0.21</u>
4	<b>LOOSE TUBE / TIGHT BUFFER</b>		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
5	<b>JACKETING</b>		
a)	MATERIAL		HDPE
b)	COLOUR		BLACK
c)	NOMINAL THICKNESS	mm	2.0/2.25/2.5 (Nominal)
d)	OVERALL DIAMETER (NOMINAL)	MM	<b>6.3MM OD</b> (Nominal)
e)	RIP CORD		NA
6	<b>STRENGTH MEMBERS</b>		
a)	NUMBER		3
b)	TYPE		FRP RODS
c)	DIAMETER	MM	.8MM
7	<b>Mechanical Test</b>		
a)	Tensile Strength		Approx 400 Newton
b)	Bending Radius		15D
c)	Crushing		700 Newton/100mm
d)	Torsion		360
8	<b>Environmental Performance</b>		
a)	Installation		Min -20/Max +70 Degree
b)	Service		Min -20/Max +70 Degree
c)	Storage		Min -20/Max +70 Degree
9	<b>CABLE WEIGHT (NOMINAL)</b>	Kg/Km	38 (Nominal)
10	<b>STANDARD LENGTH +/- 10%</b>	Mtrs	AS PER CUSTOMER'S REQUIREMENT
11	<b>TYPE OF PACKING</b>		WOODEN DRUM
12	<b>PRINTING DETAILS</b>		<b>WILLETT</b>