

**OUTDOOR  
 TIGHT BUFFER UNARMORED  
 OPTICAL FIBRE CABLE (2-48FO)**

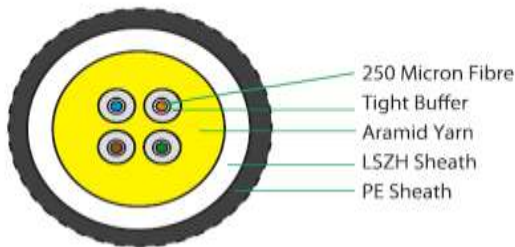


**Applications**

- Rugged multi fibre cross connect
- Intra building backbone
- Fibre backbone to communication closets



**Typical Cross Section of 4F**



**Cable Construction Details**

- Up to 48 Fibre of Single mode fibres in full compliance with ITU-T G652D (also available with G657 SM Fibre and OM1 / OM2 / OM3 & OM4 MM as well new Fibre)
- Aramid Yarns as Strength Member
- PA-12 / LSZH tight coating on Fibre
- PE, LSZH or PE/LSZH Compound for outer sheathing
- Other sheathing available

FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		BENDING RADIUS (mm)		TEMPERATURE RANGE (IEC 60794-1-2-F1)	
			Installation	Operating	Temporary	Permanent	Installation	Operating
UPTO 6F	5.0	25	500	300	15D	20D	-10° to +70° C	-40° to +70° C
8/12F	6.8	32	500	300	15D	20D	-10° to +70° C	-40° to +70° C
36/48F	16.5	215	2000	1000	15D	20D	-10° to +70° C	-40° to +70° C

**Color Coding - Fibre**



\* For Fibre count more than 12F, bundles in multiple of 9/12F will be formed with color identification binder (Blue, Orange, Green & Brown)

**Special Features**

- Tight buffer & jacket are available in variety of colours.
- Easy access to the fibres
- Quick Cable Entry

**Mechanical Characteristics**

- Torsion Resistance (IEC 60794-1-2-E7)  
2 Cycle (± 360°) 1 Kg Weight, L= 2 Mtr
- Crush Resistance (IEC 60794-1-2-E3)  
1000 N (100 X 100 mm) for 600 sec
- LSZH: IEC 60332 α 61034 α 60754

**Drum Length**

500/1000/2000 meters ± 10%