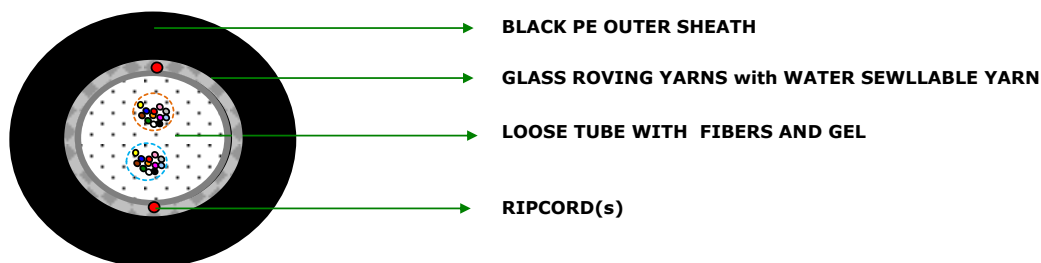


Unitube Single Jacket Dielectric Armor Lite Optical Fiber Cable
PRODUCT INFORMATION

Fiber	
Single Mode Optical Fiber	Sterlite Fiber ITU-T - G.652 D
Maximum Cabled Fiber Attenuation dB/Km	1310nm : ≤ 0.36 & 1550nm : ≤ 0.23
Multi Mode Optical Fiber	ITU-T OM2 - 50/125
Maximum Cabled Fiber Attenuation dB/Km	850nm : ≤ 3.0 & 1300nm : ≤ 1.5
Multi Mode Optical Fiber	ITU-T OM3 - 50/125
Maximum Cabled Fiber Attenuation dB/Km	850nm : ≤ 3.0 & 1300nm : ≤ 1.5
Multi Mode Optical Fiber	ITU-T OM4 - 50/125
Maximum Cabled Fiber Attenuation dB/Km	850nm : ≤ 3.0 & 1300nm : ≤ 1.5
Loose Tube	
Filling Gel	Thixotropic Gel to prevent water ingress in loose tube
Tube	Thermoplastic Material (PBTP)
Cable	
Rip Cord	Polyester Based Yarns
Water Blocking Element	Water Swellable Yarn
Peripheral Strength Member	Glass Roving Yarns (As required to meet tensile & rodent resistance)
Outer Sheathing	UV Proof Black Polyethylene Nominal Thickness 1.2 mm

CONSTRUCTIONAL DETAILS


Typical Construction Diagram - Not to Scale

OPTICAL FIBER CABLE PERFORMANCE

MECHANICAL				ENVIRONMENTAL	
Tensile strength	1500N	Crush Resistance	1000 N / 10 cm	Temp. Performance	
Minimum Bend Radius		Impact strength	10 Nm	Installation	-20°C to + 60°C
-During Installation	20 D	Torsion	$\pm 180^\circ$	Operation	-30°C to +70°C
-After Installation	15 D			Storage	-40°C to +70°C
Water Penetration	1m head, 3m samples, 24 hrs (Over Loose Tube)			Drip Test	30 cm, 70°C, 24 hr

 All tests shall be carried out as per IEC Standards. Change in attenuations shall be ≤ 0.05 dB/Km.

PHYSICAL DETAILS

Fiber Count	Fibers Per Tube	No of Tube	Tube Color	Sheath Color	Fiber Color	Diameter of Cable (mm)	Weight of Cable (Kg/Km)	Cable Length in one Reel
Numbers	Numbers	Numbers				+/- 0.5	+/-10%	(Meters)
4	4	1	WH	BK	BL, OR, GR, BR.	7.4	52	2000 $\pm$ 5%
8	8	1	WH	BK	BL, OR, GR, BR, SL, WH, RD, BK.	7.4	52	2000 $\pm$ 5%
12	12	1	WH	BK	BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ.	7.4	52	2000 $\pm$ 5%
24	24	1	WH	BK	Blue bundle binder (BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ). Orange bundle binder (BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ).	7.8	56	2000 $\pm$ 5%

Where: BL =Blue,OR =Orange, GR=Green,BR=Brown,SL=Grey(Slate), WH=White, RD=Red,BK=Black,YL=Yellow,VI=Violet, PI=Pink,AQ=Aqua.

PRINTING DETAILS

Printing details (Color - White)	STERLITE FIBER TYPE (SM G652D, 50/125 OM2, OM3, OM4) FIBER COUNT UT DUCT YEAR OF MANUFACTURE Cable ID Meter Marking.
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The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supercedes the earlier markings.

Prepared By:- Phool Singh

Approved By:

Doc.No:-01/YY-F-D-S3/M2/M3/M4-1-UT

Rev.:-1.1

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