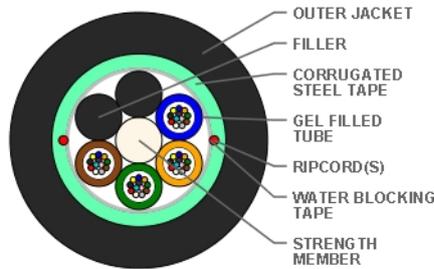


Product Name	: 48F G.652 D/G.657 A1/OM1/OM2/OM3/OM4 Multitube LSZH Single Jacket Armour Lite Optical Fiber Cable	
Product Code	: MA0048FS304TGB508	
Revision	: 1.0	Date : 26-Nov-2019

Product Details

Sterlite Tech™ ARMOUR-LITE® Multitube Single Jacket Fibre Optic Cables are typically used for outside plant (OSP) applications. These cables are suitable for direct burial duct as well as for duct applications. This cable can be installed by using blowing or trenching techniques. These cables can also be installed in ducts with either pulling or blowing techniques as per standard methods. This cable can be traced by means of metallic tracer machine in the field.

Construction Diagram



* Typical Construction Diagram - Not to Scale

Features & Benefits

Steel tape armour and LSZH jacket provide rodent protection improved crush and impact protection •The Steel tape enables post installation cable locating • Jelly filled tube and dry water-blocking technology for gel free core helps in quicker end preparation • Easily removable rugged thermoplastic jacket • Flexible, easy to handle & install • Tensile and crush resistant.

Specifications

Physical Characteristics	
Fibre Count	48
Fibre Type	Sterlite Fibre ITU-T G.652D/G.657 A1/OM1/OM2/OM3/OM4
Maximum Cabled Attenuation (dB/km)	G.652 D/G.657A1: 1310nm : 0.35 & 1550nm : 0.23 OM1/OM2/OM3/OM4:850 nm :<= 3.0 & 1300 nm : <= 1.5
Link Design PMD (ps/sqrt.km)	</= 0.1
Fibres per Tube	12
Fibre Color Sequence	Blue,Orange,Green,Brown,Slate,White,Red,Black, Yellow, Violet,Pink,Aqua
Tube Size (mm)	2
Central Strength Member	FRP (Fibre Reinforced Plastic)
No of Tubes in Layer 1	4
Tube Color Sequence	Blue,Orange,Green,Brown,Filler,Filler
No of Fillers	2
Filler Color	Black
Metallic Armouring	Corrugated Steel Tape
No of Ripcords Below Tape	2
Outer Sheath Material	UV Proof Black LSZH
Nominal Sheath Thickness (mm)	1.8
Nominal Cable Dimensions (mm)	11.0+/- 0.5
Nominal Cable Weight (kg/km)	150+/- 10%

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	2000
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	3000
Impact Strength(Nm)	IEC-60794-1-21-E4	5
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	20 D
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	15 D
Water Penetration Test	IEC-60794-1-22-F5	1m head, 3m samples, 24 hrs
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 hr
*Temperature Performance	IEC-60794-1-22-F1	Max. change in attenuation shall be $\leq 0.15\text{ dB/km}$
Installation		-10°C to +70°C
Operation		-40°C to +70°C
Storage		-40°C to +70°C

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be $\leq 0.05\text{ dB/km}$ for Single Mode fibre and $\leq 0.3\text{ dB/km}$ for Multimode fibre.

Cable Performance Standards

Cable complies to the following standards IEC 60793,ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, Reach.

Packing and Lengths

- Drum Type : Wooden Drums
- Length Multiple (km) : 4 +/- 5%
- Order Tolerance : +/- 5%
- Short Lengths : Max 5%, Customer Approval

Printing Details

Printing : STERLITE SM 48F G.652 D/G.657 A1/OM1/OM2/OM3/OM4 ARMOUR LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING

Note : The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings.

Revision History

Revision No.	Date	Description
1.0	26-Nov-2019	Initial Issue

Prepared By : Zaid