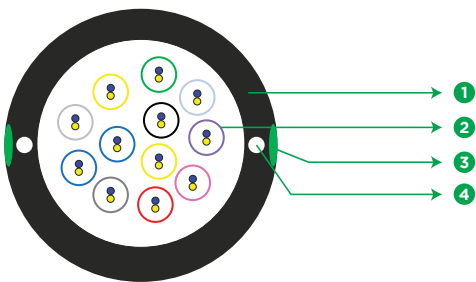


Indiciium-Lite

Multitube Gel Filled OFC

12F - 96F | Bow Lite (E) - G.657.A2 Single Mode Fibre



Cross Section 24F

1 BLACK OUTER SHEATH

2 PULLBACK MODULES WITH FIBRES AND GEL

3 STRIP 2 NOS

4 EMBEDDED STRENGTH MEMBER

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Available up to 96 fibre count in either single-mode or multi-mode optical fibres
- Special low-bend-sensitivity fibre provides high bandwidth and excellent communication transmission property
- Two parallel strength members ensure good performance of crush resistance to protect the fibre
- Simple structure, light weight and high practicability
- Window cuts into the sheath wall allow easy selection and extraction of single fibre unit for re-routing purposes
- UV protected

Product Details

STL INDICIUM-LITE Single Jacket Fibre Optic Cable is used for outdoor installation into ducts, constructed with color coded single mode /bend sensitive fibres placed in a thermoplastic tube/ module, protected by two embedded strength members for anti-buckling property and are covered with outer sheath which makes the cable robust and installation friendly.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794-1-21/22, ITU-T, RoHS, REACH.

Printing Details

Printing: STERLITE SM FIBRE TYPE FIBRE COUNT F RETRACTABLE OFC 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.

Specifications

Physical Characteristics	
Fibre Count	12-96
Fibre Type	STL BOW LITE E (ITU-T G.657.A2)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.36 & 1550nm : 0.23
Link Design PMD (ps/sqrt.km)	≤ 0.1
Stripes on Outer Sheath	2 Green stripes over Embedded FRP
No of Ripcords Below Outer Sheath	2
Embedded Strength Member	FRP (Fibre Reinforced Plastic)
Outer Sheath Material	UV Proof Black Polyethylene

Fibre Color Sequence (as per EIA/TIA 598C)

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Turquoise
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Cable Characteristics						
Product Code	Fibre Count	No. of Fibre per tube	No. of Tubes	Tube Color Sequence	Cable Diameter mm (± 0.5)	Cable Weight (Kg/km) ± 10%
L10012S212AGP10000	12	1	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	15.5	110
L10024S212AGP10000	24	2	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	15.5	115
L10048S224AGP10000	48	2	24	Blue, Orange, Green, Brown, Slate, White, Red, Light Green, Yellow, Violet, Pink, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White#, Red#, Light Green#, Yellow#, Violet#, Pink#, Aqua#	15.5	120
L10072S218AGP10000	72	4	18	Blue, Orange, Green, Brown, Slate, White, Red, Light Green, Yellow, Violet, Pink, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White#	15.5	125
L10096S224AGP10000	96	4	24	Blue, Orange, Green, Brown, Slate, White, Red, Light Green, Yellow, Violet, Pink, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White#, Red#, Light Green#, Yellow#, Violet#, Pink#, Aqua#	15.5	130

Note: # denotes black stripe marking for all tubes

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard Method
Tensile Strength (N)	1000	IEC-60794-1-21-E1
Crush Resistance (N/cm)	2000	IEC-60794-1-21-E3
Impact Strength(Nm)	5	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius (During Installation)	20 D	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	15 D	IEC-60794-1-21-E11
Drip Test	30 cm, 70°C, 24 hr	IEC-60794-1-21-E14
Temperature Performance	Max. change in attenuation shall be ≤ 0.15 dB/km	IEC-60794-1-22-F1
Installation	-10° C to +70° C	
Operation	-20° C to +70° C	
Storage	-20° C to +70° C	

Note: All tests shall be carried out as per IEC standards. Change in attenuation after test shall be ≤ 0.1 dB/ km for Single Mode Fibre.

Packing and Lengths

Drum Type	Length Multiple (in km)	Tolerance	Short Lengths
Wooden Drums	2 ± 5%	±5%	Max 5%, Customer Approval

For additional information please contact your sales representative.

You can also visit our website at www.stl.tech

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