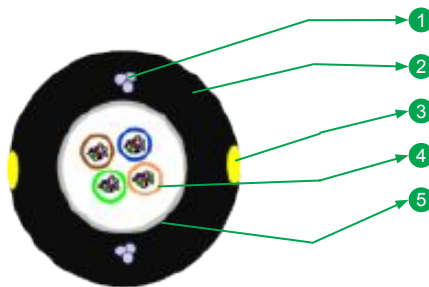


Yogalite

96F ULW (G.657A2 200um) Single Jacket Overhead



1 EMBEDDED BRASS
COATED STEEL WIRE

2 POLYETHYLENE OUTER
SHEATH

3 YELLOW STRIPE
MARKING

4 MICROBUNDLE
WITH FIBRES & GEL

5 WATER SWELLABLE TAPE

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Reduced diameter micro- modules manufactured from soft and flexible elastomeric material
- Diametrically opposed embedded strength members provides excellent crush protection performance
- Fibre micro-modules are kink resistant and easily removed without the need for tools
- Cable designed to break at max. load of 2.0 kN
- Kink free modules
- Fast and easy mid-span access

Product Details

Yoga Lite™ Single Jacket Cable by STL based on micro-module technology to create an optimized design suitable for use in duct/overhead application. The micro module unit consist of groups of fibres protected by an easily strippable and flexible thermoplastic material and filled with thixotropic compound. These microstructures are surrounded with water swelling elements to protect against moisture ingress, and are constrained in a thermoplastic sheath, which is provided with embedded strength members to protect from buckling.

Fibres and Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794-5-10, ITU-T, RoHS, REACH.

Printing Details

Printing: STL SM " FIBRE TYPE " "FIBRE COUNT" ULW AERIAL 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	96
Fibre Type	STL ITU-T G.657 A2 200 um
Maximum Cabled Fibre Attenuation (dB/km)	1310nm: 0.35, 1550nm : 0.23 & 1625nm : 0.25
PMD LDV (ps/sqrt.km)	</= 0.1
Fibre Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Natural *, Yellow*, Violet*, Pink*, Aqua*
Module Color Sequence	Blue, Orange, Green, Brown
Module Material	Thermoplastic material with easy peel off.
Embedded Strength Member	Brass Plated Steel Wire
Stripes on Outer Sheath	2 Yellow stripes [90° to wires]
Outer Sheath Material	UV Stabilized Black Polyethylene

Note:1 Other tube colour sequences are available on demand, prior approval

* Black ring marking of fibre for all fibre.

Cable Characteristics with G.657.A1 Fibre ³						
Fibre count	Fibre Per Tube	Tubes	Fillers	Cable Diameter (mm) +0.3	Cable Weight (kg/km) + 10%	Breaking Load (N)
96	24	4	None	7.2	38	2000

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard Method	Cable Performance
Breaking Tension (N)	IEC-60794-1-21-E1	1350~ 2000
Crush Resistance (N/100cm)	IEC-60794-1-21-E3A	2000
Impact Strength (Nm)	IEC-60794-1-21-E4	10
Torsion	IEC-60794-1-21-E7	±360°
Min. Bend Radius	IEC-60794-1-21-E11	12 D
Kink	IEC-60794-1-21-E10	20 D
Water Penetration Test	IEC-60794-1-22-F5a	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	During test, maximum increase in fibre attenuation <0.05dB/Km During test, maximum variation of fibre attenuation <0.10dB/Km
Installation		-10°C to +80°C
Operation		-20°C to +85°C
Storage		-20°C to +85°C
Span Length	1.2-meter Sag	55 meters exception up to 68 meters
Environmental Loading	Condition1	Wind Speed: 97 km/hr and "0" (Zero) Ice load
	Condition2	Wind Speed: "0" (Zero) and 5 mm Ice load
High Voltage test		15 kV rms, 5mins

Note: All test carried out shall be as per IEC Standard. Change in attenuation after and before testing shall be ≤ 0.05 dB/km.

Packing and Lengths

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

Printing Details

Printing : STERLITE SM "FIBRE TYPE" "FIBRE COUNT" ULW AERIAL 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.