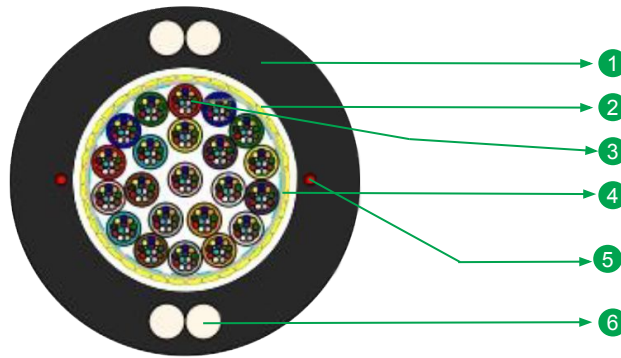


Yoga-Lite

Gel Filled Single Sheath OFC

6F - 864 F | Bow Lite (E) G.657.A2 Single Mode Fibre



1 OUTER JACKET

2 ARAMID YARNS

3 GEL FILLED TUBE

4 WATER BLOCKING
TAPE

5 RIPCORDS

6 STRENGTH
MEMBER

* 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
- Fibre micro-modules are kink resistant and easily removed without the need for tools
- Fast and easy midspan access

Product Details

YOGA LITE single jacket cable is based on micro-module technology to create an optimized design suitable for use in Duct scenarios. The micro module unit consists 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.

Cable Performance Standards

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

Printing Details

Printing: STERLITE SM G657A2 FIBRE COUNT M6/12 YOGALITE DUCT Laser Symbol Telephone Symbol Year of Manufacturing 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	6~432
Fibre Type	STL Fibre ITU-T G.657 A2
Maximum Cabled Attenuation (dB/km)	1310nm : 0.36, 1550nm : 0.23, 1625nm : 0.26
Link Design PMD (ps/sqrt.km)	≤ 0.1
Fibres per Tube	6 / 12
Fibre Color Sequence	Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink
Peripheral Strength Members	High Strength Aramid Yarns
Outer Sheath Material	UV Proof Black Polyethylene
No of Ripcords Below Outer Sheath	2
Embedded Strength Member	FRP (Fibre Reinforced Plastic)

Cable Characteristics (6F/Module)						
Product Code	Fibre Count	No. of Tubes	Tube Color Sequence	Cable Diameter (mm ± 5%)	Cable Weight (kg/km ± 10%)	Max. Tensile Strength (N)
H10006S201FGP10000	6	1	Red	6.0	30	620
H10012S202FGP10000	12	2	Red, Blue	7.0	40	840
H10036S206FGP10000	36	6	Red, Blue, Green, Yellow, Violet, White	8.5	58	1200
H10048S208FGP10000	48	8	Red, Blue, Green, Yellow, Violet, White, Orange, Gray	9.0	64	1300
H10072S212FGP10000	72	12	Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Black, Aqua, Pink,	10.0	74	1550
H10096S216FGP10000	96	16	Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink, Double Intermittent Ring Stripe : Red, Blue, Green, Yellow	11.0	90	1860
H10144S224FGP10000	144	24	Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink, Double Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink	13.0	115	2400

Specifications

Cable Characteristics (12F/Module)						
Product Code	Fibre Count	No. of Tubes	Tube Color Sequence	Cable Diameter (mm \pm 5%)	Cable Weight (kg/km \pm 10%)	Max. Tensile Strength (N)
H10012S201FGP10000	12	1	Red	6.5	35	740
H10024S202FGP10000	24	2	Red, Blue	7.5	42	880
H10048S204FGP10000	48	4	Red, Blue, Green, Yellow	8.5	57	1200
H10072S206FGP10000	72	6	Red, Blue, Green, Yellow, Violet, White	9.5	67	1400
H10096S208FGP10000	96	8	Red, Blue, Green, Yellow, Violet, White, Orange, Gray	10.5	82	1680
H10144S212FGP10000	144	12	Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Black, Aqua, Pink,	11.0	96	2000
H10288S224FGP10000	288	24	Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink, Double Intermittent Ring Stripe : Red, Blue, Green, Yellow	13.5	128	2500
H10432S236FGP10000	432	36+1#	Red Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink, Blue Binder : Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink, Green Binder : Double Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink	15.6	185	3335
H20576S248GFP10000*	576	48	Red Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink Blue Binder : Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink Green Binder : Double Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink Yellow Binder : Triple Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink	18.0	214	2700

Note: (a) Distance between adjacent ring shall be 2mm to 3 mm
 (b) Distance Between Sequence Ring shall be 40 mm to 60 mm (c) Width or depth of each Ring shall be 2mm to 3 mm

<p>H20720S260GFP10000*</p>	<p>720</p>	<p>60</p>	<p>Red Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Blue Binder : Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Green Binder : Double Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Yellow Binder : Triple Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Violet Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p>	<p>19.5</p>	<p>253</p>	<p>3200</p>
<p>H20864S272GFP10000*</p>	<p>864</p>	<p>72</p>	<p>Red Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Blue Binder : Single Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Green Binder : Double Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Yellow Binder : Triple Intermittent Ring Stripe : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>Violet Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p> <p>White Binder : Red, Blue, Green, Yellow, Violet, White, Orange, Gray, Brown, Light Green, Aqua, Pink</p>	<p>21.0</p>	<p>285</p>	<p>3600</p>

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Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard Method
Tensile Strength (N)	As per above table	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° /m, L=80N	IEC-60794-1-21-E7
Static Bend Radius	15 D	IEC-60794-1-21-E11
Kink Radius	10 D	IEC-60794-1-21-E11
Water Penetration Test	1m head, 3m samples, 24 hrs, no water penetration	IEC-60794-1-22-F5
Drip Test	30 cm, 70°C, 24 hr	IEC-60794-1-21-E14
Friction co-efficient in ducts	$f \leq 0.35$	
Temperature Performance		IEC-60794-1-22-F1
Installation	-5° C to +45° 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 ≤ 0.05 dB/km for Single Mode fibre and ≤ 0.3 dB/km for Multimode fibre

Packing and Lengths

Drum Type	Length Multiple (in km)	Tolerance	Short Lengths
Wooden Drums	2 /4 ± 5%	±5%	Max 5%, Customer Approval

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