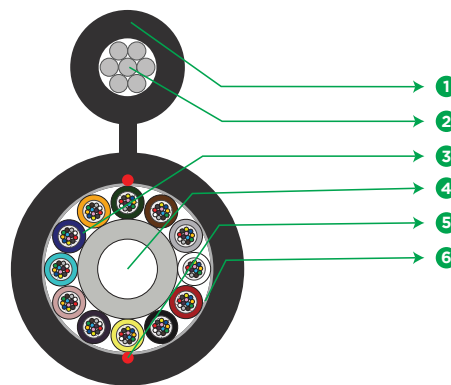


Aerial-Lite

Multitube Gel Filled Figure - 8 OFC
12F - 144F | OH Lite - G.652.D Single Mode Fibre



1 OUTER JACKET

2 MESSENGER WIRE

3 GEL FILLED TUBE

4 STRENGTH MEMBER

5 RIPCORD(S)

6 WATER BLOCKING TAPE

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Fig 8 cable design provides easy and economical one step installation
- Multi tube design with ripcords for easy and quick mid span access
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Tensile and crush resistant

Product Details

STL AERIAL-LITE Multitube Single Jacket Figure-8 cable is designed for outside plant (OSP) aerial self-supported applications in distribution as well as local and campus network loop architectures. These cables are used in aerial applications for short to medium span lengths including deployment along existing aerial Rights-of-way. Once detached from the steel messenger wire, cable is suitable for aerial-to-duct / underground transitions. This design provides easy and economical one-step installation and stable performance over a wide temperature range and is compatible with any local distribution telecommunication network.

Cable Performance Standards

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

Printing Details

Printing: STERLITE SM “FIBRE TYPE” “FIBRE COUNT” SJ FIG-8 OFC LASER SYMBOL TELEPHONE SYMBOL “YEAR OF MANUFACTURE” “LENGTH CODE” “METER MARKING”

- Note:** 1. 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.
2. Any other cable printing can be customized based on customer request and agreement

Specifications

Physical Characteristics	
Fibre Type	STL Fibre ITU-T G.652.D
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
PMD LDV (ps/sqrt.km)	≤ 0.1
Fibres per Tube	12
Tube Material	Thermoplastic Material
Central Strength Member	FRP (Fibre Reinforced Plastic)
Filler (if required)	Black Thermoplastic Material
Outer Sheath Material	UV Proof Black Polyethylene
No of Ripcords Below Outer Sheath	2
Messenger Wire (Nominal)	1.03 mm x 7 Nos

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	Tubes	Tube Color Sequence	No. of Fillers	Cable Diameter mm (± 1.0)	Cable Weight (Kg/km) ± 10%
A20012S301GAP100W4	12	1	Blue, Filler, Filler, Filler, Filler, Filler	5	9.5 X 17.5	140
A20024S302GAP100W4	24	2	Blue, Orange, Filler, Filler, Filler, Filler	4	9.5 X 17.5	140
A20048S304GAP100W4	48	4	Blue, Orange, Green, Brown, Filler, Filler	2	9.5 X 17.5	140
A20072S306GAP100W4	72	6	Blue, Orange, Green, Brown, Slate, White	0	9.5 X 17.5	140
A20096S308GAP100W4	96	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	0	11.0 X 20	170
A20144S312GAP100W4	144	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua	0	13.5 X 21.5	215

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard Method
Tensile Strength (N)	3000	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	20 D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h	IEC-60794-1-22-F5
Temperature Performance	Max. change in attenuation shall be ≤ 0.15 dB/km	IEC-60794-1-22-F1
Installation	-10° C to +70° C	
Operation	-40° C to +70° C	
Storage	-40° C to +70° C	

Note: Change in attenuation after and before testing shall be ≤ 0.05 dB/km.

Packing and Lengths

Drum Type	Length Multiple (in km)	Tolerance	Short Lengths
Wooden Drums	4 ± 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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