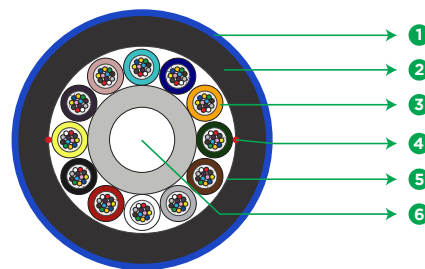
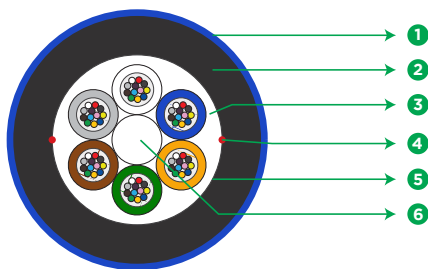


Duct-Lite

Multitube Gel Filled Double Jacket OFC

12F - 144F | OH-Lite - G.652.D Single Mode Fiber



Cross Section 72F

Cross Section 144F

1 OUTER PA JACKET

2 OUTER PE SHEATH

3 GEL FILLED TUBE

4 RIPCORD(S)

5 WATER BLOCKING TAPE

6 STRENGTH MEMBER

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Loose tube & dual jacket PE and PA offer easy handling of the lightweight cable
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged UV stabilized thermoplastic jackets
 - Resistant to termite attacks
- Ripcords for easy and quick mid span access

Product Details

STL DUCT-LITE Multitube PE/PA Jacket Fiber Optic Cables are typically used for outside plant (OSP) applications. Suitable for duct applications. This cable comes with loose tubes containing optical fiber & water blocking gel, loose tube is S-Z stranded over FRP, surrounded with water-swellable tape to prevent water ingress in the cable. A thermoplastic dual jacket of polyethylene & polyamide is extruded over the cable core making 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 FIBER TYPE FIBER COUNT F DUCT 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	
Fiber Count	12-144
Fiber Type	STL OH LITE (ITU-T G.652.D)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35; 1550 nm : 0.22
PMD LDV (ps/sqrt.km)	≤ 0.1
Fibers per Tube	12
Central Strength Member	FRP (Fiber Reinforced Plastic)
Filler	Thermoplastic material
Core Wrapping	Binder and water swellable tape
No of Ripcords Below Sheath	2
Outer Sheath Material	UV Stabilized Black Polyethylene
Outer Jacket Material	UV Stabilized Blue Nylon (bonded to PE Sheath)

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

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
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Cable Characteristics

Product Code	Fiber Count	No. of Tubes	Tube Color Sequence	No. of Fillers	Cable Diameter mm (± 1.0)	Cable Weight Kg/Km (± 10%)
D10012S301GAPN00J2	12	1	Blue, Filler, Filler, Filler, Filler, Filler	5	9.5	75
D10024S302GAPN00J2	24	2	Blue, Orange, Filler, Filler, Filler, Filler	4	9.5	75
D10036S303GAPN00J2	36	3	Blue, Orange, Green, Filler, Filler, Filler	3	9.5	75
D10048S304GAPN00J2	48	4	Blue, Orange, Green, Brown, Filler, Filler	2	9.5	75
D10072S306GAPN00J2	72	6	Blue, Orange, Green, Filler, Filler, Filler	0	9.5	75
D10096S308GAPN00J2	96	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	0	11	100
D10144S312GAPN00J2	144	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	0	12.2	120

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	2000	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	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-E18
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: All tests shall be carried out as per IEC standards. Change in attenuation after test shall be ≤ 0.1 dB/ km for Single Mode Fiber.

Packing and Lengths

Drum Type	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	4/6/8/10 ± 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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