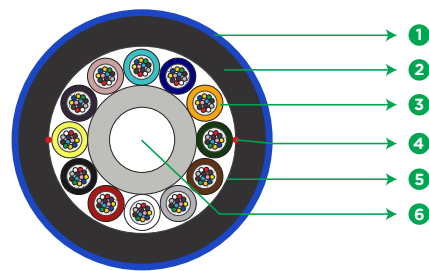
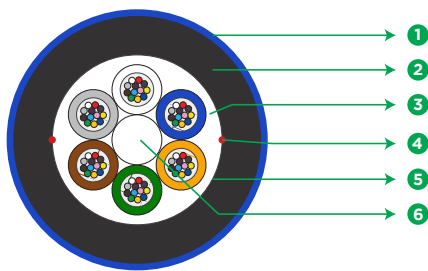


Duct-Lite

Multitube Gel Filled Double Jacket High Strength 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

- Robust loose tube & dual jacket PE& PA high crush and impact
- 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 High Strength PE/PA Jacket Fiber Optic Cables are typically used for outside plant (OSP) applications. Suitable for directly buried by cable plough and open trench installation methods in harsh environments. This cable comes with loose tubes containing optical fiber & water blocking gel, loose tube is S-Z stranded over FRP, surrounded with water-swellaable tape to prevent water ingress in the cable. A thermoplastic dual jacket of polyethylene & polyamide is extruded over 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 ; 1625 nm : 0.23
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%)
D10012S301GAPN01T6	12	1	Blue, Filler, Filler, Filler, Filler, Filler	5	15.5	185
D10024S302GAPN01T6	24	2	Blue, Orange, Green, Filler, Filler, Filler	4	15.5	185
D10036S303GAPN01T6	36	3	Blue, Orange, Green, Filler, Filler, Filler	3	15.5	185
D10048S304GAPN01T6	48	4	Blue, Orange, Green, Filler, Filler, Filler	2	15.5	185
D10072S306GAPN01T6	72	6	Blue, Orange, Green, Filler, Filler, Filler	0	15.5	185
D10096S308GAPN01T6	96	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	0	17.5	225
D10144S312GAPN01T6	144	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	0	23.0	380

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	6000	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	6000	IEC-60794-1-21-E3
Impact Strength (Nm)	10	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius (During Installation)	30 D	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	20 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	-20° C to +70° C	
Storage	-30° 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 20%, Customer Approval

For additional information please contact your sales representative.

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

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