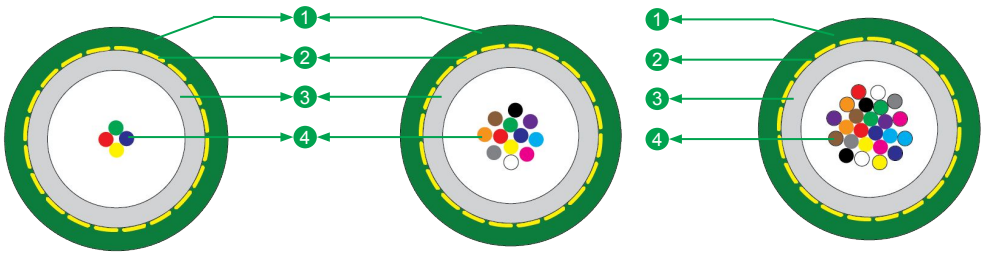
Product Specification

UT Microduct

4F/12F/24F SM G.657.A1 Unitube Single Jacket Miniature OFC



4F 12F 24F

1 OUTER JACKET 2 ARAMID YARNS 3 GEL FILLED TUBE

4 FIBER

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Unitube design allows minimised weight and eases cable installation
- Small size, fast cable termination and easy cable management
- Optimum solution for last mile application
- Easily removable rugged jacket
- Longitudinal water protection is enabled by water blocking compounds in tube
- UV protected

Product Details

STL DROP-LITE Unitube Single Jacket Miniature Fibre Optic Cable is used for outdoor applications in cable trays or ducts or aerial drop for access inside campus and within buildings.

Fibres and Cable Performance Standards

Cable complies to the following standards IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, Reach.

Printing Details

STERLITE SM 4F G657 A1 FTTH LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER

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	4/12/24	12	24
Fibre Type	Sterlite ITU-T G.657 A1		
Maximum Cabled Attenuation (dB/km)	1310nm: 0.35 & 1550nm: 0.23		
Fibres per Tube	4	12	24
Fibre Color Sequence	Red, Green, Blue, Yellow	Red, Green, Blue, Yellow, White, Slate, Brown, Violet, Aqua, Black, Orange, Pink	Red, Green, Blue, Yellow, White, Slate, Brown, Violet, Aqua, Black, Orange, Pink, Red*, Green*, Blue*, Yellow*, White*, Slate*, Brown**, Violet**, Aqua**, Black**, Orange**, Pink**
Peripheral Strength Members	High Strength Aramid Yarns		
Outer Sheath Material	UV Proof Green HDPE		
Nominal Cable Diameter (mm)	3.8+/- 0.3	3.8+/- 0.3	4.2+/- 0.3
Nominal Cable Weight (kg/km)	12+/- 5%	12+/- 5	18+/-5%

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard Method	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	150
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	500
Impact Strength (Nm)	IEC-60794-1-21-E4	5
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	15 D
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	10 D
Water Penetration Test	IEC-60794-1-22-F5	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	
Installation		-10°C to +60°C
Operation		-30°C to +70°C
Storage		-40°C to +70°C

Note 2: Cable shall be tested as per IEC Standard. Max. change in attenuation after and before test shall be <= 0.3 dB/km for Multimode fibre.

Packing and Lengths

Drum Type	Length Multiple (in km)	Order Tolerance	Short Lengths
Plastic Spools	2 +/- 5%	+/- 5%	Max 5%, Customer Approval

For additional information please contact your sales representative.

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