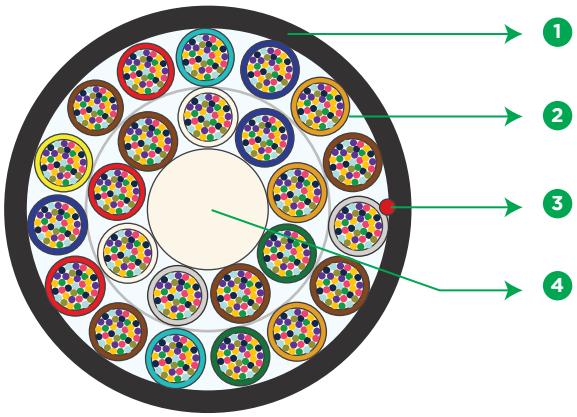
Product Specification

Micro-Lite

NextGen 288F (G.652D/ G.657 A1 -200um)
Multitube Single Sheath OFC



1 OUTER JACKET 2 GEL FILLED TUBE 3 RIPCORD(S) 4 STRENGTH MEMBER

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- As compared to conventional cable, Micro Cable diameter is less and thereby reducing installation costs
- Excellent solutions for new and existing duct systems
- Typically blown into micro ducts previously installed into large ducts
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Flexible, light weight, easy to handle & install

Product Details

The STL Micro-LITE NextGen micro cable offers an exceptionally efficient design, featuring a lightweight build and optimized cable diameter, ensuring the longest blown performance in microducts. A highly compact design of tightly packed bend insensitive fibres held by ultra-sim extrusion of thermoplastic materials provide a sustainable product design. The cable has micro loose tubes stranded around a Fibre reinforced plastic (FRP) central strength member, jacketed with thermoplastic material (Polyethylene /Polyamide) used in microduct blown installation applications.

Fibres and Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794-5-10, ITU-T, RoHS, REACH.

Printing Details

Printing: STERLITE SM 288F NOVA 200UM MICRO 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	
Fibre Count	288
Fibre Type	Sterlite NOVA 200um (ITU-T G.652 D/G.657 A1)
Mode field diameter (um)	9.2 ± 0.4
Cabled Attenuation (dB/km)	1310nm: ≤ 0.35 & 1550nm : ≤ 0.23
PMD LDV (ps/sqrt.km)	</= 0.1
Fibres per Tube	12
Fibre Color Sequence	Red, Green ,Blue, Yellow, White, Slate, Brown, Violet, Aqua, Black, Orange, Pink
Central Strength Member	FRP (Fibre Reinforced Plastic)
No of Tubes in Layer 1	9
Tube Color Sequence	Red,Green,Blue,Yellow,White,Slate,Brown,Violet,Aqua
No of Tubes in Layer 2	15
Tube Color Sequence Layer 2	Red,Green,Blue,Yellow,White,Slate,Brown,Violet,Aqua,Black,Orange,Pink,Red#, Green#,Blue#
Outer Sheath Material	UV Proof Black HDPE
No of Ripcords Below Outer Sheath	1
Nominal Cable Dimensions (mm)	7.4 ± 0.2
Nominal Cable Weight (kg/km)	55 ± 10%

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	**Cable Performance**	**Testing Standard Method**
Tensile Strength (N)	1000	IEC-60794-1-21-E1
Crush Resistance (N/100mm)	500	IEC-60794-1-21-E3
Impact Strength(Nm)	2	IEC-60794-1-21-E4
Torsion	±180º	IEC-60794-1-21-E7
Static Bend Radius	20D	IEC-60794-1-21-E11
Kink Radius	15D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h	IEC-60794-1-22-F5
Drip Test	30 cm, 70º C, 24 hr	IEC-60794-1-21-E14
Temperature Performance	Max. change in attenuation shall be </= 0.15 dB/km	IEC-60794-1-22-F1
Installation	-10º C to +70º C	
Operation	-30º C to +70º C	
Storage	-40º C to +70º 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.

Packing and Lengths

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

01/102023

For additional information please contact your sales representative.
You can also visit our website at www.stl.tech