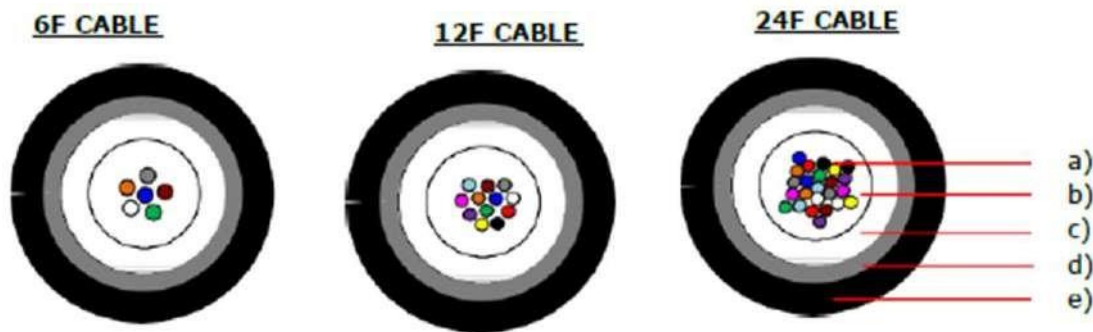


## Singlemode Indoor/Outdoor Fiber Cable Unitube

Avalon Loose tube indoor/outdoor optical fiber cable (Unitube) Singlemode type cable is designed with color coded Singlemode optical fibers located in a central tube. The construction is genuinely designed for Singlemode indoor/outdoor applications. Very easy and quick installation is attributed by its compact, lightweight construction. The outer sheath made of Low Smoke Zero Halogen (LSZH) material is suitable for outdoor and indoor applications.



### Specifications:-

| Cable Constructional Details             |  |
|--|--|
| Primary Coated Fiber (a)                 | Singlemode -652D   |
| Water Blocking Element in Loose Tube (b) | Thixotropic Jelly  |
| Loose Tube (c)                           | PBTP   |
| Peripheral Strength Member (d)           | Glass Yarn   |
| Outer Sheath (e)                         | LSZH, Black  |
| Colour Coding                            |  |
| Colour of Loose/Buffer Tube:             | Natural  |
| Color of Fiber for 2F                    | Blue, Orange   |
| Color of Fiber for 6F                    | Blue, Orange, Green, Brown, Slate, White   |
| Color of Fiber for 12F                   | Blue, Orange, Green, Brown, Slate, White, Red<br>Black, Yellow, Violet, Pink, Aqua.  |
| Color of Fiber for 24F                   | Blue, Orange, Green, Brown, Slate, White, Red<br>Black, Yellow, Violet, Pink, Aqua.  |
| With Black Ring Marking                  | Blue, Orange, Green, Brown, Slate, White, Red<br>Natural, Yellow, Violet, Pink, Aqua |
| Delivery Information                     |  |
| Approximate Cable Weight (Kg/Km)         | 55   |
| Nominal Cable Diameter (mm)              | 7.4 ± 0.3  |

|  |  |
|--|--|
| <b>Standard Length per Drum (Meter)</b>          | 2000 +/- 5 %                                       |
| <b>Mechanical Characteristics</b>                |  |
| <b>Temperature Range (IEC 60794-1-2-F1)</b>      |  |
| <b>Installation</b>                              | -20° C to +70° C                                   |
| <b>Operation</b>                                 | -20° C to +70° C                                   |
| <b>Transportation and Storage</b>                | -20° C to +70° C                                   |
| <b>Cable Bending Radius (IEC 60794-1-2-E11A)</b> |  |
| <b>During Installation</b>                       | 20 x D, D = Cable Diameter                         |
| <b>Installed</b>                                 | 10 x D, D = Cable Diameter                         |
| <b>Repeated Bending (IEC 60794-1-2-E6)</b>       | 30 Cycle, r= 20 X D, 5 Kg Load, D = Cable Diameter |
| <b>Tensile Force (IEC 60794-1-2-E1)</b>          | 1500 N   |
| <b>Impact Resistance (IEC 60794-1-2-E4)</b>      | 5J   |
| <b>Crush Resistance (IEC 60794-1-2-E3)</b>       | 750 N/mm   |
| <b>Kink Resistance</b>                           | 10 x D, D = Cable Diameter                         |
| <b>Optical Characteristics</b>                   |  |
| <b>Transmission Properties</b>                   | <b>Values and Units</b>                            |
| Attenuation at 1310nm                            | <=0.35 dB/Km                                       |
| Attenuation at 1550nm                            | <=0.22 dB/Km                                       |
| Attenuation at 1625 nm                           | < =0.25 dB/km                                      |

### Ordering Information

| Part Number         | Description  |
|---------------------|--|
| ANFC-SM-06C-LT-LSZH | 06 Core Singlemode UT Indoor / Outdoor Fiber Cable - LSZH Sheath |
| ANFC-SM-12C-LT-LSZH | 12 Core Singlemode UT Indoor / Outdoor Fiber Cable - LSZH Sheath |
| ANFC-SM-24C-LT-LSZH | 24 Core Singlemode UT Indoor / Outdoor Fiber Cable - LSZH Sheath |