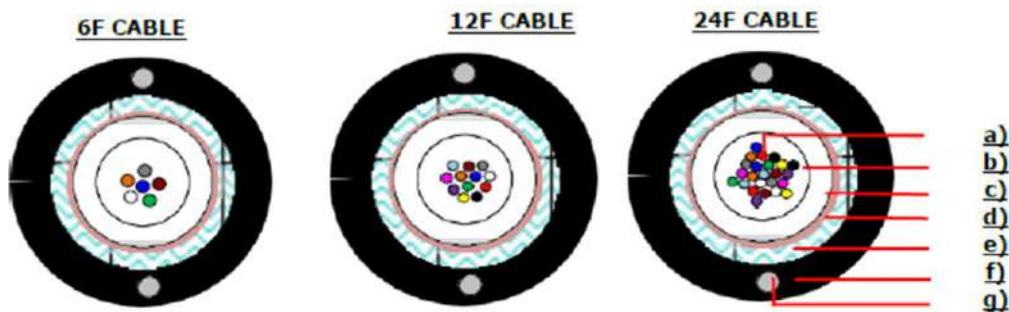


Single Mode Armoured Fiber Cable Unitube

Avalon Loose tube armored optical fiber cable (unitube) multimode type cable is designed with color coded Singlemode optical fibers located in a central tube. The construction is genuinely designed for Singlemode applications demanding superior mechanical protection. The mechanical strength is provided by the corrugated steel tape and the strength member adding extra shield against rodent and compression for direct burial application. Very easy and quick installation is attributed by its compact, lightweight and extremely rugged construction.



Specification

CABLE CONSTRUCTIONAL DETAILS	
Primary Coated Fiber (a)	Single mode –G652D
Water Blocking Element in Loose Tube (b)	Thixotropic Jelly
Loose Tube (c)	PBTP
Moisture Barrier (d)	Water Swellable Tape
Armoring (e)	Corrugated Steel Tape Armored
Outer Sheath (f)	HDPE Black
Peripheral Strength Member (g)	2 nos. Steel wire Embedded inside outer sheath
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 Black, Yellow, Violet, Pink, Aqua.
Color of Fiber for 24F	Blue, Orange, Green, Brown, Slate, White, Red Black, Yellow, Violet, Pink, Aqua.
WITH BLACK RING MARKING	Blue, Orange, Green, Brown, Slate, White, Red
	Natural, Yellow, Violet, Pink, Aqua.
DELIVERY INFORMATION	

Approximate Cable Weight (Kg/Km)	93
Nominal Cable Diameter (mm)	9.0 ± 0.3
Standard Length per Drum (Meter)	2000 +/- 10 %
MECHANICAL CHARACTERISTICS	
Temperature Range (IEC 60794-1-2-F1)	
Installation	-20° C to +70° C
Operation	-20° C to +70° C
Transportation and Storage	-20° C to +70° C
Cable Bending Radius (IEC 60794-1-2-E11A)	
During Installation	20 x D, D = Cable Diameter
Installed	10 x D, D = Cable Diameter
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 5 Kg Load, D = Cable Diameter
Tensile Force (IEC 60794-1-2-E1)	2700 N
Impact Resistance (IEC 60794-1-2-E4)	5J
Crush Resistance (IEC 60794-1-2-E3)	2000 N/mm
Kink Resistance	10 x D, D = Cable Diameter
OPTICAL CHARACTERISTICS	
Transmission Properties	Values and Units
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-AR	06 Core Singlemode Armoured Outdoor Fiber Cable-HDPE Sheath
ANFC-SM-12C-AR	12 Core Singlemode Armoured Outdoor Fiber Cable-HDPE Sheath
ANFC-SM-24C-AR	24 Core Singlemode Armoured Outdoor Fiber Cable-HDPE Sheath