

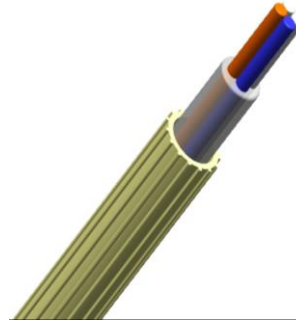


## Description

HF Nano Cable is a very small diameter cable for air blown installation into micro-duct. The fibers are coated with a soft acrylate layer as a cushion to provide protection to the fiber. A patented outer jacket with groove-design gives low friction and best blowing performance to the installation.

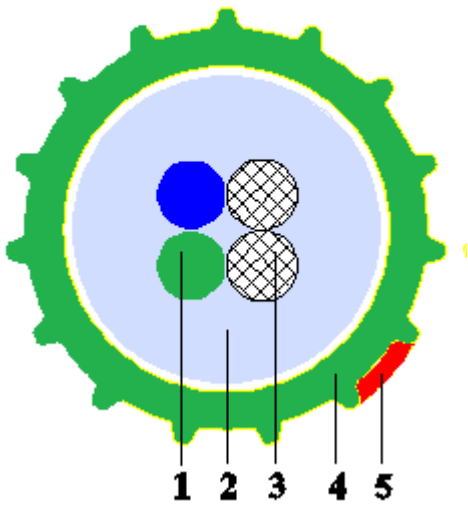
## Features

Fiber type: 250um G657A1  
Inner Layer: Resin  
Outside sheath: Low friction halogen free plastic in green  
Fiber count: 2



## Structure

### 2 Fibres



- 1. Optical Fibre
- 2. Resin
- 3. Fiber filler
- 4. Low Friction outer jacket
- 5. Groove

## Color Code

Fiber Color Code:

NO.	1	2
Color	Blue	Green

Other color code can be ordered by prior notice



## Test Protocol

### Mechanical Test:

Test	Standard	Parameters	Criteria
Tension performance	IEC 60794-1-2-E1	Load: 1×W	fiber strain ≤0.4% at MAX Additional attenuation ≤0.05dB fiber strain ≤0.05% after test
Bend	IEC 60794-1-2-E11A	∅40mm×3turns 5 cycles at 20°C	Additional attenuation ≤0.05dB,after test
Crush	IEC 60794-1-2-E3	100 N, 60s	Additional attenuation ≤0.05dB,after test
<i>Note : 1 Tests according to IEC 60794 Edition 1.0, 2008-10 2 All optical testing proceeded at 1550 nm</i>			

### Environmental Test:

Test	Standard	Parameters	Criteria
Temperature cycling	IEC 60794-1-2-F1	-30°C, +60°C, (2 cycles)	Absolute attenuation ≤0.5dB/km, during test Absolute attenuation ≤0.1dB/km, after test
Water Soak	IEC 60794-5	1000 hours in water, 18°C~22°C	(Test after temp cycle) ≤0.07dB/km Change compared to start value
Damp Heat Cycle	IEC 60068-2-38	25°C, 65°C, 25°C, 65°C, 25°C,-10°C, 25°C	Absolute attenuation ≤0.5dB/km, during test Absolute attenuation ≤0.1dB/km,after test
<i>Note : 1 Tests according to IEC 60794 Edition 1.0, 2008-10 2 All optical testing proceeded at 1550 nm</i>			

### Blowing Test:

Fibre Count	2 Fibres
Test equipment	PLUMETTAZ: UM25, ERICSSON: F,
Standard duct	5.0/3.5 mm
Pressure	7bar / 15bar
Typical blowing distance	500m / 1000 m
Typical blowing time	10 min / 18 min



## Technical Index

Cable properties:

Fiber Count	2
Outer Diameter (mm)	1.15±0.03
Weight (g/m)	1.0
Min Bend Radius (mm)	50
Jacket Color	Yellow

## Optical Parameters (Fiber Unit)

Parameters	Single Mode
Attenuation	0.40dB/km max @1310nm 0.30dB/km max @1550nm

## Delivery Information

Packing: Rotated in the pan

Standard delivery lengths are: 2000m, 4000m, 6000m, with a tolerance of 0~+5%.

Fibre Count	Length (m)	Pan Size Ø×H (mm)	Weight (Gross) (kg)
2	2000	φ510×200	7
	4000	φ510×200	9
	6000	φ510×300	12



Part number:

Fiber count	G657A1 fiber
	Type number
2F	450630