Air Blown Fiber （ABF 2~24 cores）

Application.and Properties:

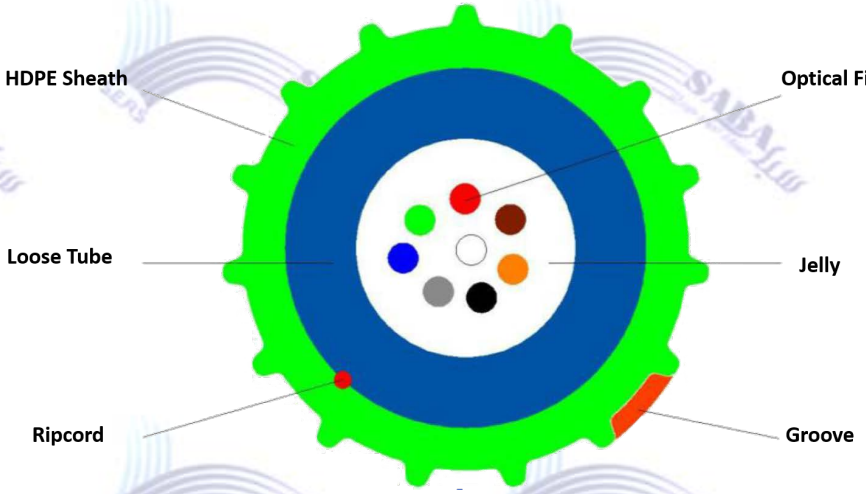
Air Blown Fiber Cable is constructed with loose tube fibers, Jelly, HDPE is metal free outdoor cable. Designed for Air-Blowing systems in passive networks. Quality of the product is tested according to IEC Standards.

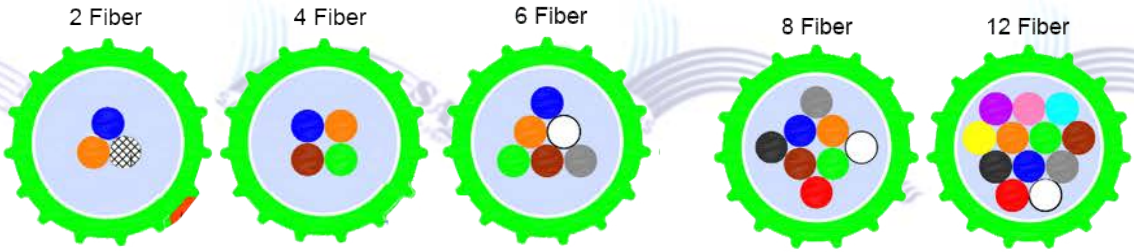
Application:

- Air-blow installation applications, using micro duct systems in access network.
- It is also suitable for application in access networks, backbone networks and metro network.

- Other Details

- Made with High quality materials
- Available in Size and Color
- Excellent crush and tensile resistance.
- Excellent mechanical and enviromental characteristic
- ITU-T G.657A1, IEC 60793 B1.3 , IEC 60794
- IEC 60794-1-2-E1 , IEC 60794-1-2-E3 , IEC 60794-1-2-E6 IEC 60794-1-2-E7 , IEC 60794-1-2-E11A
- Compliance with ROHS، REACH، SVHC
- Lifetime Warranty
- Guaranteed quality and performance





- Technical Specification

Cable Type	Central Loose Tube Cable			
Fibers Count	2～4	6～8	12	24
Thickness of HDPE sheath	Nominal value：0.20mm, Average value：0.15mm			
Nominal Overall Diameter	2.0±0.1mm	2.3±0.1mm	2.5±0.1mm	2.8±0.1mm
Weight	4.0 kg/km	5.0 kg/km	5.5 kg/km	7.5 kg/km
Max. Tensile Strength	80N	80N	80N	100N
Max. Crushing force	600N/100mm			
Min. Bending radius -Installation	15*OD			
Min. Bending radius -Operation	10*OD			
Installation Temp ℃	-20～+60℃			
Operating Temp ℃	-30～+60℃			

Mechanical Specification

Item	Testing Method	Testing Results		Specified Value
Tension performance	IEC 60794-1-2-E1	Optical fiber strain Short term: ≤0.3% Long term: ≤0.1%	Additional attenuation Short term : Δa <0.1 dB, Δa reversible; Long term: Δa ≤0.03 dB	Max. Tensile Strength = Short term Allowable tension ≈2×(Long term Allowable Tension)
Crush	IEC 60794-1-2-E3	Short term: Δa <0.10 dB, Δa reversible; Long term: Δa ≤0.03 dB; The outer sheath has no visible crack.		Short term crushing force =600 N Long term crushing force =300 N
Repeated bending	IEC 60794-1-2-E6	After test, Δa ≤0.03 dB; The outer sheath has no visible crack.		R=20 outer Φ Bending load =15N Bending times =25
Torsion	IEC 60794-1-2-E7	After test, Δa ≤0.03 dB; The outer sheath has no visible crack.		Torsion angle=±180° Torsion load =15N Torsion times =5
Cable bend	IEC 60794-1-2-E11A	After test, The optical fiber can't be broken; The outer sheath has no visible crack.		R=20 outer Φ 10Turns Cycles times =5