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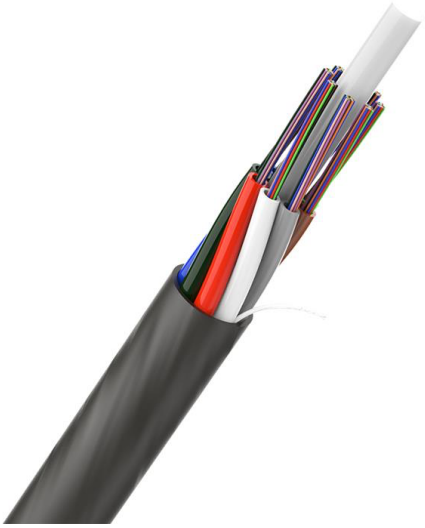
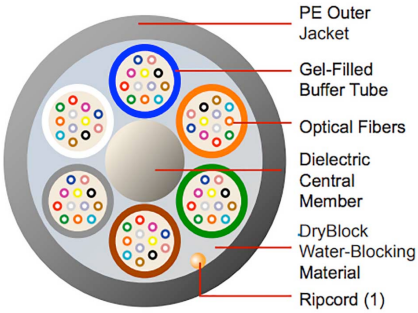
Effortless. Excellent. Fiber.

Cables
ABF

Air Blown Micro-Cable, Loose Tube





This ABF Cable product offers impressive mechanical and environmental characteristics. It boasts lightweight construction, a small diameter, and a high optical fiber capacity of up to 288F. Additionally, it features a low sheath friction coefficient. This cable is designed for installation into micro-ducts by using an air-blowing machine, making it ideal for micro tubes with a diameter of approximately 14/10mm.

Structure Design:

- Central strength member (CSM): FRP rod
- Fiber 2-288F ITU-T G657A1 (optional A2 & D)
- Loose tube filled with a suitable water tightness filling compound
- Loose tubes SZ stranded around CSM

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Highlights:

- Lightweight and flexible with small diameter
- High fibre counts to diameter ratio
- Low friction ribbed jacket to aid jetting process
- Metal-free, not subject to EMI or earth-bonding installations
- Compatible with micro-ducts

Specification:

Fiber Count		2-72	96	144	288
Loose Tube	Material	PBT			
	Water Blocking Material	Fiber Jelly			
	Fiber/tube	12			
Central Strength Member	Material	FRP Rod (Coated with PE if needed)			
Cable Core	Element	6LT	8LT	12LT	24LT
	Filler rod	0	0	0	0
	Water blocking material	Water-blocking yarn			
Outer Jacket	Material	HDPE, Black			
	Nominal Thickness (mm)	0.5			
Overall diameter (nom.)(mm)(±0.2)		5.3	6.2	7.9	9.4
Temperature Range	Operation	-30℃~+70℃			
	Storage	-20℃~+60℃			
	Installation	-10℃~+40℃			

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Optical Characteristics:

Attenuation Coefficient	@1310nm	≤ 0.35 dB/Km
	@1550nm	≤ 0.21 dB/Km

*Full compliance with the ITU-T G.657.A1 Standard

Mechanical Characteristics:

- Air blow performance test in accordance with YD/T1460.1 7.2.1 Standard
- No leakage through the open cable end in Water Penetration Test IEC 60794-1-2-F5B
- The Tensile Loading Test, Torsion Test, Crush/Impact Resistance Tests, Repeated Bending Test, and Temperature Cycling Test in compliance with IEC Standards did not result in any jacket cracking or fiber breakage.
- Minimum bending radius Static 10D and 20D Dynamic (D is the cable diameter in mm)

Color Code:

The individual fibers and loose tubes comply with the TIA/EIA-598-A Standard.