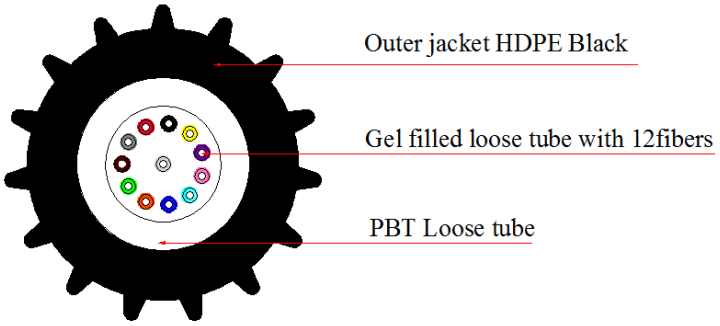
GCYFXTY air blown micro cable



1.Technical Specification

Fiber Counts		**12F**
Loose Tube	Material	PBT
	OD(mm):	2.0 ±0.1 mm
	Fiberpertube	12F
Sheath	Material:	HDPE
	Color:	Black
Cable	Diameter	2.5 ±0.2mm
	Weight	5.0 ±1 kg/km
Operating temperature		-30℃ ~ +60℃
Store/Transport temperature		-30℃ ~ +60℃
Installation temperature		-30℃ ~ +60℃

2.Fiber and Loose buffer tube Identification

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Fiber Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

3.Fiber Characteristic

No.	Items		Unit	Specification
				G.657A2
1	ModeField Diamete	1310nm	μm	8.4 ~ 9.2
		1550nm	μm	9.3 ~ 10.3
2	Cladding Diameter		μm	125.0 ± 0.7
3	CladdingNon-Circularity		%	≤0.7
4	Core-Cladding ConcentricityError		μm	≤0.5
5	Coating Diameter		μm	245 ± 5
6	CoatingNon-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cutoff Wavelength		nm	λcc≤1260
9	Attenuation(max.)	1310nm	dB/km	≤0.35
		1550nm	dB/km	≤0.21
10	Macro-BendingLoss	1turn×10mmradius@1550nm	dB	≤0.1
		1turn×10mmradius@1625nm	dB	≤0.2
		1turn×7.5mmradius@1550nm	dB	≤0.2
		1turn×7.5mmradius@1625nm	dB	≤0.5

4.Mechanical Performance

N O	ITEMS	TEST METHOD	ACCEPTANCE CRITERIA
1	Tensile Loading Test IEC 60794-1-E1	-. Tensile load：60N -. Maintained time：1min - Length of cable: about 150m	-.Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
2	Crush Resistance Test IEC 60794-1-E3	-.Load：600 N/100mm -Load time：≥1 minutes	-.Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
3	Bending radius	Static: ≥ 10D(Cable Diameter) Dynamic: ≥ 20D (Cable Diameter)	