

GCYFXTY Air blown micro cable

Features and Benefits

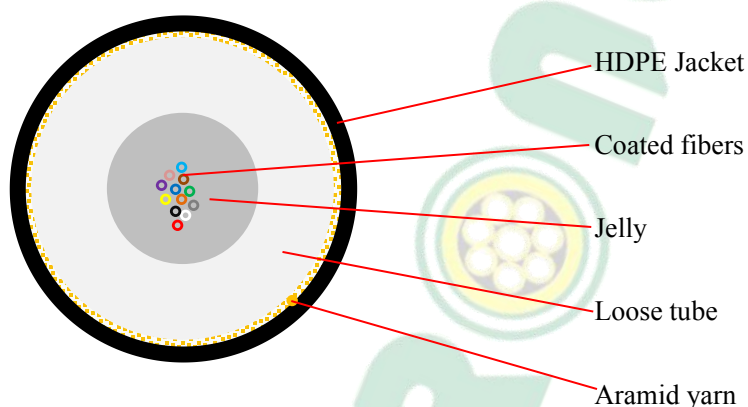
Special complex material loose tube, reduce the shrink of tube in cold temperature.

Accurate fibre length balance, stable mechanical and temperature performance.

Particular technique control, prevent sheath form crinkling during installation.

Structure Innovation in sheath, enhancing the blowing performance.

The structure of cable



Optical fiber parameters

No.	Items		Unit	Specification				
				G.652D	G.657A	G.657A2	OM1	OM2
1	Mode Field Diameter / Core Diameter		μm	9.2 $\pm$ 0.4	9.0 $\pm$ 0.4	8.6 $\pm$ 0.4	62.5 $\pm$ 2.5	50 $\pm$ 2.5
				10.4 $\pm$ 0.5	10.1 $\pm$ 0.5			
2	Cladding Diameter		μm	125.0 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 1.0	124.8 $\pm$ 1.0
3	Cladding Non-Circularity		%	$\leq$ 0.8	$\leq$ 0.7	$\leq$ 0.7	$\leq$ 1.0	$\leq$ 1.0
4	Core-Cladding Concentricity Error		μm	$\leq$ 0.6	$\leq$ 0.5	$\leq$ 0.5	$\leq$ 1.5	$\leq$ 1.5
5	Coating Diameter		μm	247 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 7	245 $\pm$ 7
6	Coating Non-Circularity		%	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0
7	Cladding-Coating Concentricity Error		μm	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc}\leq$ 1260	$\lambda_{cc}\leq$ 1260	$\lambda_{cc}\leq$ 1260	/	/
9	Attenuation(max.)	1310nm	dB/k	$\leq$ 0.36	$\leq$ 0.36	$\leq$ 0.36	/	/
		1550nm	m	$\leq$ 0.22	$\leq$ 0.22	$\leq$ 0.22	/	/
10	Attenuation Coefficient	850nm	dB/k	/	/	/	$\leq$ 2.5	$\leq$ 2.7
		1300nm	m	/	/	/	$\leq$ 0.7	$\leq$ 0.6



FURONG CABLE CO., LTD.

Fiber optic cable parameter

Items		Specifications					
Coating optical fiber	Dimension	255±5μm					
	Material	printing ink					
	Color	Blue	Orange	Green	Brown	Grey	White
		Red	Black	Yellow	Purple	Pink	Aqua
		13#-24# with black ring marks at intervals of 100mm					
Loose tube	Material	PBT/PC					
	Filling materials	Thixotropic jelly					
	Color	Natural					
Outer sheath	Material	HDPE Black					

Mechanical and Environmental Characteristics

Items	Unite	Specifications	Testing Method
Tension (Long Term)	N	200	IEC 60794-1-2-E1
Tension (Short Term)	N	400	
Crush (Long Term)	N/10cm	500	IEC 60794-1-2-E3
Crush (Short Term)	N/10cm	1000	
Min. Bend Radius (Dynamic)	mm	20D	IEC 60794-1-2-E11A
Min. Bend Radius (Static)	mm	10D	
Operating Temperature	℃	-30~+50	IEC 60794-1-2-F1
Storage Temperature	℃	-20~+50	

Packing Standard delivery lengths are 1km.,2km, 3km, 4km,5km,6km with a tolerance of -1%~+3%

Fiber Count	Cable diameter(mm)	Duct type (mm)	Drum Length (m)	Weight (Net) (kg)	Weight (Gross) (kg)	Packing Size L×W ×H(m)
2-12	2.6±0.2	3.5/5.5	2000	12	14	0.35×0.35×0.33
2-24	4.0±0.2	5.5/7.0	2000	32	36	0.45×0.45×0.33