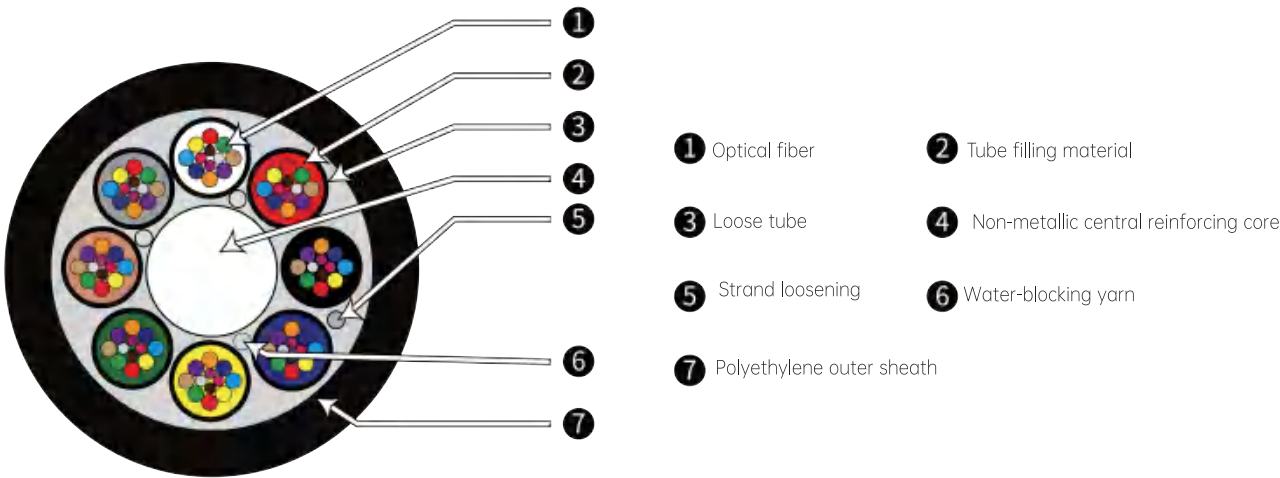


JET

Layer Stranded Non-metallic Air-blown Optical Cable



Product Description

Colored optical fibers are placed in a loose tube made of high-modulus, water-resistant material. The loose tube is filled with a non-toxic, harmless waterproof compound. At the center of the cable core is a non-metallic reinforcing core(FRP), around which the loose tube(or filling yarn)is twisted to form a compact circular cable core. Outside the reinforcing core, there is a water-blocking yarn, followed by extrusion of a black or colored high-density polyethylene sheath to form the cable

Product Features

- ◆The use of non-metallic reinforcing elements results in a small outer diameter, light weight, moderate flexibility, and a low coefficient of friction for the outer sheath, allowing for longer air-blowing distances.
- ◆Special oil paste is filled inside the loose tube to provide cushioning protection for the optical fibers and to achieve waterproof performance for the cable.
- ◆The tight cable structure effectively prevents tube shrinkage.



Optical Characteristics

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical Aperture	Cable Cut-off Wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	-	-	≤0.36db/km	≤0.22db/km	-	-	-	≤1260nm
G.655	-	-	≤0.40db/km	≤0.23db/km	-	-	-	≤1450nm
50/125μm	≤3.3db/km	≤1.2db/km	-	-	≥500MHz·km	≥500MHz·km	0.200±0.015NA	-
62.5/125μm	≤3.5db/km	≤1.2db/km	-	-	≥200MHz·km	≥500MHz·km	0.275±0.015NS	-

Structural Parameters

Cable Model (increments by 2 fibers)	Number of Fibers	Number of Loose Tubes	Number of Filling Ropes	Cable diameter	Reference Cable Weight (kg/km)	Allowable Tensile Force Long-term/Short-term (N)	Allowable Crush Force Long-term/Short-term (N)	Bending Radius Static/Dynamic (mm)
GCYFTY-24~72Xn	24~72	2~6	4~0	5.6	21	150/500	150/450	10D/20D
GCYFTY-96Xn	96	8	0	6.4	31	250/800	150/450	10D/20D
GCYFTY-144Xn	144	12	0	8.3	49	250/800	150/450	10D/20D

Storage and Operating Temperature: -30℃ to +70℃.

Note:

- a.The suffix Xn in the model indicates the selected fiber type, see Yangtze Fiber Model Explanation for details.
- b.The color arrangement of the loose tube and fibers can be found in the chromatogram.
- c.The minimum thickness of the polyethylene sheath is 1.5mm.

- d.The cable should not be stored in open-air environments for more than 6 months, otherwise the spool may be damaged.
- e.This document is for reference only and cannot be used as an attachment to the contract. For detailed product information, please contact our sales staff.