

GYFXBY Flat-shape & Self-supporting Uni-tube Fiber Optic Cable

Optical fibres are housed in a loose tube that is made of high-modulus plastic and filled with tube filling compound. Two glass fibre reinforced plastic(FRP)rods are placed outside the tube in parallel, and water-blocking yarns is placed between the tube and the rods, then a flat-shape PE sheath is extruded.

In the distribution segment of optical networks in rural areas, the cable can be used as drop cables for self-supporting aerial installation to connect branching points with access points for subscribers.

Features

Accurate process control ensuring good mechanical and temperature performances

Unique flat shape providing excellent crush resistance,applicable to special wedge clamps for installation

Two FRP strength members in parallel close to the tube, easy for stripping

All-dielectric design, applicable to lightning-prone areas

Uni-tube,small ize and light weight, easy for installation

Product Series

1	Feeder segment	GYTA/GYTS	Stranded Loose Tube
2	Distribution segment	GYXZY	Uni-tube Aramid LSZH Sheath
		GYGXZY	Uni-tube Glass Yarn PE Sheath
		GTJGA	Slotted TBF APL CSM
		GYFXBY	Flat-shape & Self-supporting Uni-tube
		GYAXTC8Y	Figure-8 Self-supporting Uni-tube Aramid
		GYFC8A-3U	3-Unit FRP APL Figure-8 Self-supporting
3	Drop segment	GJXH	Bow-type drop cable

Construction



1.Tube Filling: Suitable water blocking filling compound.
2.Loose Tube: thermoplastic material.
3.Optic Fiber
4.Strength Member: Glass fibre reinforced plastic rod (GFRP).
5.Water Blocking Material: water blocking yarn.
6.Outer Sheath: black polyethylene.

Technical Characteristics

Type	Diameter mm	Weight (kg/km)	Diameter FRP	Tensile strength Long/short term (N)	Crush Long/short term (N/100mm)
GYFXBY-02-24Xn	4.6*8.1(3.0tube)	35	1.6	400/1400	1000/5000