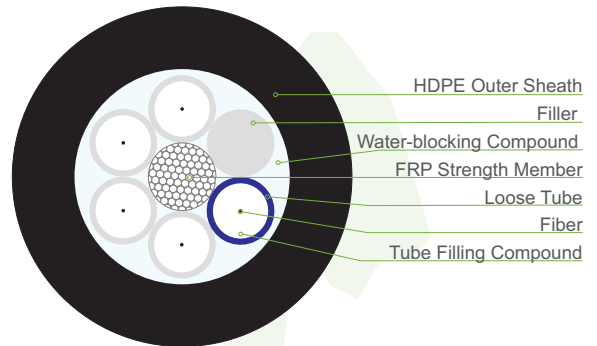


**PRODUCT DATA SHEET**

**Stranded Loose Tube Cable with Non-metallic Central Strength Member (GYFTY)**

**Introduction**

In the GYFTY cable, single-mode/multimode fibers are positioned in the loose tubes, which are made of high modulus plastic materials, while the loose tubes strand together around non-metallic central strength member (FRP) into a compact and circular cable core. For certain high fibre count cables, the strength member would be covered with polyethylene (PE). The water-blocking compound is distributed into the interstices of the cable core. Then the cable is completed with a HDPE sheath.



**Fiber color code**

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Fiber color in each tube starts from No. 1 Blue.

**Color codes for loose tube & filler rod**

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Tube color in each layer starts from No. 1 Blue. If there are fillers, the color is nature.

Cable Type (increased by 2 fibers)	Fiber Count	Tube & Fillers	Max. No. of Fibers in each Tube	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/ShortTerm N	Crush Resistance Long/ShortTerm N/100 mm
NT-GYFY-2~36Xn	2~36	6	6	10.6	92	400/1000	300/1000
NT-GYFY-38~60Xn	38~60	5	12	11.2	102	400/1000	300/1000
NT-GYFY-2~42Xn	2~42	7	6	11.2	103	600/1500	300/1000
NT-GYFY-44~72Xn	44~72	6	12	12.2	114	600/1500	300/1000
NT-GYFY-2~48Xn	2~48	8	6	12.2	125	1000/3000	300/1000
NT-GYFY-50~96Xn	50~96	8	12	13.6	160	1000/3000	300/1000
NT-GYFY-98~120Xn	98~120	10	12	14.6	200	1000/3000	300/1000
NT-GYFY-122~144Xn	122~144	12	12	16.8	235	1000/3000	300/1000
NT-GYFY-146~192Xn	146~192	8 12	6 12	16.8	220	1000/3000	300/1000

Note:  
 1. Suffix Xn denotes fiber type and see details in Nitrotel cable coding illustration.  
 2. The color arrangement of fiber and tube is specified in color identification table.  
 3. The normal PE sheath thickness is 2.0mm.

**Characteristic**

- Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length
- Critical protection to fibers, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube
- Excellent ultraviolet prevention with PE sheath
- Excellent crush resistance and flexibility
- The following measures are taken to ensure the water blocking performance of the cable:
  - FRP used as the central strength member
  - Special water-blocking filling compound in the loose tube
  - 100% cable core filling
- Application: Duct/Aerial

**Order Information (Part Number)**

NT-GYFTY-XXS  
 Fiber Count  
 06  
 12  
 24  
 36  
 48  
 72  
 96  
 144

