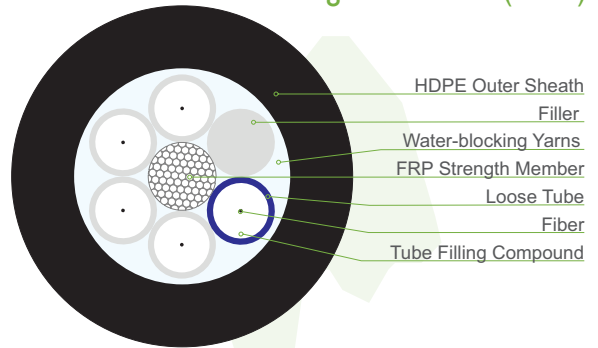


PRODUCT DATA SHEET

Dry Core Stranded Loose Tube Cable with Non-metallic Central Strength Member (GYFY)

Introduction

In the GYFY 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 yarns are 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:
- Suffix Xn denotes fiber type and see details in Nitrotel cable coding illustration.
 - The color arrangement of fiber and tube is specified in color identification table.
 - 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)

