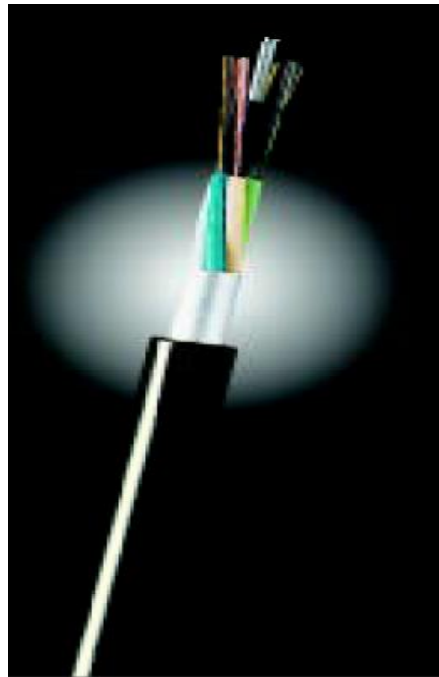


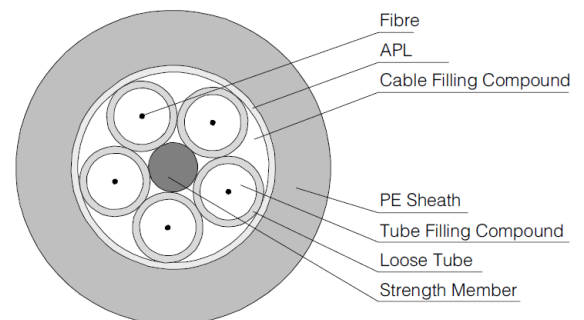
# Stranded Loose Tube Cable with Aluminum Tape (GYTA)

In the GYTA cable, single-mode/multimode fibres are positioned in the loose tubes, which are made of high modulus plastic materials, while the loose tubes strand together around metallic central strength member into a compact and circular cable core. For certain high fiber count cables, the strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into interstices of the cable core, and the Aluminum Polyethylene Laminate (APL) is longitudinally applied around the cable core before a PE sheath is extruded over it.



## Characteristics

- Excellent mechanical and temperature performance guaranteed by the accurate excess fibre length
- Critical protection to fibres, 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
- The following measures are taken to ensure the water blocking performance of the cable:
  - Single steel wire used as the central strength member
  - Special water-blocking filling compound in the loose tube
  - 100% cable core filling
  - APL moisture barrier
- Application: Duct/Aerial



Storing temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
 Operating temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
 Bending radius: Static  $10 \times D$   
 Dynamic  $20 \times D$

Cable Type ( increased by 2 fibres )	Fibre Count	Tubes + Fillers	Max. No. of Fibres in Tube	Cable Diameter mm	Cable Weight kg / km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Tem N / 100 mm
GYTA-2~30Xn	2~30	5	6	9.2	85	600/1500	300/1000
GYTA-32~36Xn	32~36	6	6	10.2	107	600/1500	300/1000
GYTA-38~60Xn	38~60	5	12	10.4	110	600/1500	300/1000
GYTA-62~72Xn	62~72	6	12	11.4	130	600/1500	300/1000
GYTA-74~96Xn	74~96	8	12	13.6	165	600/1500	300/1000
GYTA-98~120Xn	98~120	10	12	14.8	195	600/2000	300/1000
GYTA-122~144Xn	122~144	12	12	16.4	236	600/2500	300/1000
GYTA-146~216Xn	146~216	18	12	16.4	232	600/2500	300/1000
GYTA-218~288Xn	218~288	24	12	20.0	300	1000/3000	300/1000

Note:

1. Suffix Xn denotes fibre type and see details in YOFC cable coding illustration.
2. The colour arrangement of fibre and tube is specified in colour identification table.
3. The normal PE sheath thickness is 1.8mm.

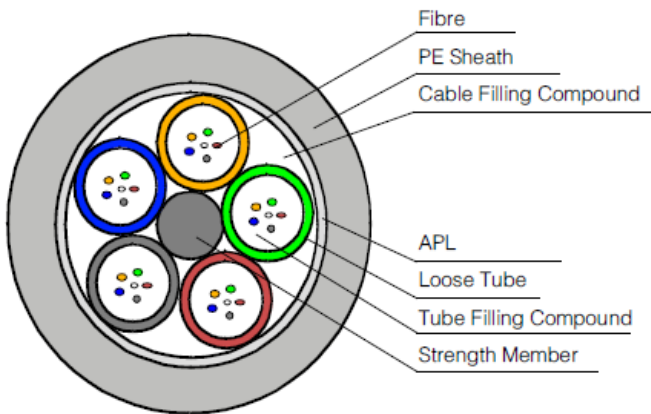


Figure 1 GYTA-30Xn

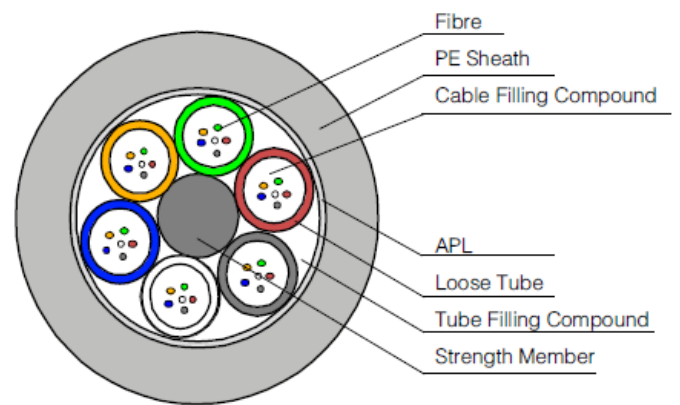


Figure 2 GYTA-36Xn

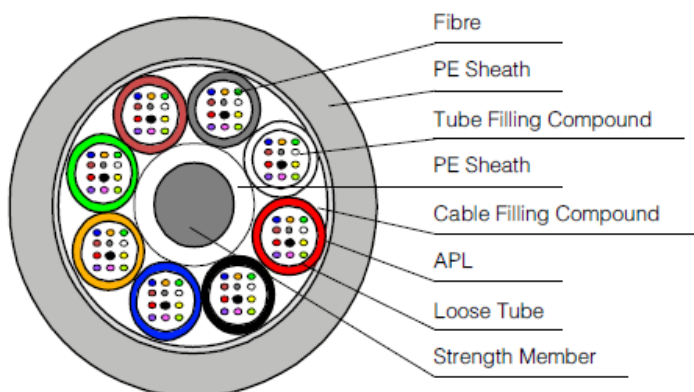


Figure 3 GYTA-96Xn

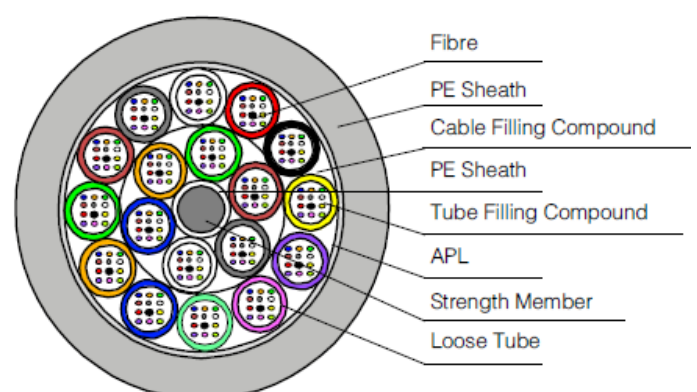


Figure 4 GYTA-216Xn