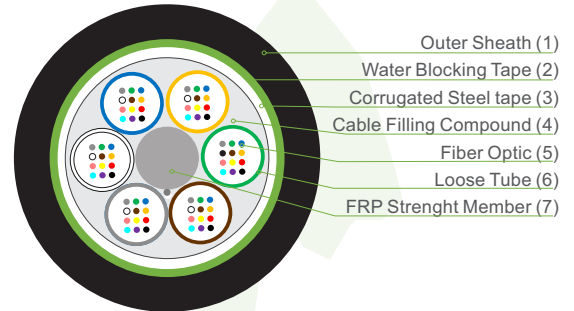


PRODUCT DATA SHEET

Optical Fiber Cable Steel Armoured Stranded LT



**Introduction**

In the Nitrotel GYTSS 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 dielectric "FRP" central strength member 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 materials are distributed into interstices of the cable core, and corrugated steel tape is longitudinally applied around the cable core before a HDPE sheath is extruded over.

1. Outer Sheath: black polyethylene HDPE.
2. Longitudinal Water Blocking Material: Water blocking tape.
3. Armor: corrugated steel tape.
4. Cable Filling Compound
5. Fiber Optic
6. Loose Tube: thermoplastic material, containing optical fibers and filled with gel
7. Central Strength Member (FRP): Fibreglass Reinforced Plastic.

**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.

**Features**

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 crush resistance and flexibility Excellent ultraviolet prevention with HDPE sheath and anti-rodent protection.

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
- PSP moisture barrier

**Order Information**

