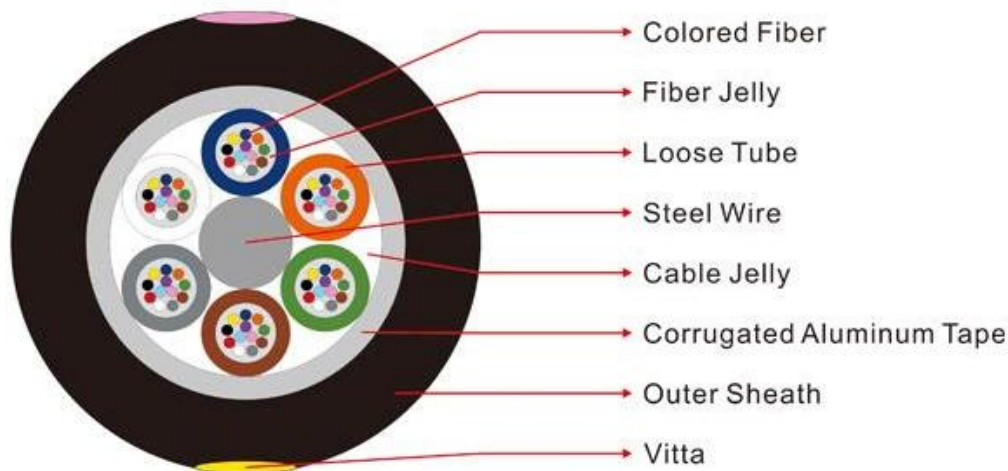


## Outdoor Duct Armored Fiber Optic Cable GYTA



Product Code	Description			
3531-70002	Outdoor duct armored fiber optic cable GYTA	9/125;50/125; 62.5/125	OM3;OM4	2- 216 core

### Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire (sheathed with polyethylene (PE) for cable with high fiber count) located in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminium Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is completed with a PE sheath.

### Characteristics

- Steel wire used as the central strength member
- Good mechanical and temperature performance
- Hydrolysis resistant high strength loose tube
- Special tube filling compound ensures fiber protection
- Specially designed compact structure is good at preventing loose tubes from shrinking
- PE sheath protects cable from ultraviolet radiation
- The following measures are taken to ensure the cable watertight:
  - Loose tube filling compound
  - 100% cable core filling
  - APL moisture barrier

### Standards

3531-70002 fiber optic cable complies with Standard YD/T 901-2001 as well as IEC 60794-1.

## Outdoor Duct Armored Fiber Optic Cable GYTA

### Optical Characteristics

		G.652	G.655	50/125μm	62.5/125μm
Attenuation (+20°C)	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@1550nm	≤0.22 dB/km	≤0.23dB/km		
Bandwidth (Class A)	@850nm			≥500 MHz • km	≥200 MHz • km
	@1300nm			≥1000 MHz • km	≥600 MHz • km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λ <sub>cc</sub>		≤1260nm	≤1480nm		

### Technical Parameters

Cable Type	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static /Dynamic mm
GYTA-2~6	2~6	1	4	9.7	90	600/1500	300/1000	10D/20D
GYTA-8~12	8~12	2	3	9.7	90	600/1500	300/1000	10D/20D
GYTA-14~18	14~18	3	2	9.7	90	600/1500	300/1000	10D/20D
GYTA-20~24	20~24	4	1	9.7	90	600/1500	300/1000	10D/20D
GYTA-26~30	26~30	5	0	9.7	90	600/1500	300/1000	10D/20D
GYTA-32~36	32~36	6	0	10.2	104	1000/3000	300/1000	10D/20D
GYTA-38~48	38~48	4	1	11	117	1000/3000	300/1000	10D/20D
GYTA-50~60	50~60	5	0	11	117	1000/3000	300/1000	10D/20D
GYTA-62~72	62~72	6	0	11.5	126	1000/3000	300/1000	10D/20D
GYTA-74~84	74~84	7	1	13.4	154	1000/3000	300/1000	10D/20D
GYTA-86~96	86~96	8	0	13.4	154	1000/3000	300/1000	10D/20D
GYTA-98~108	98~108	9	1	14.8	185	1000/3000	300/1000	10D/20D
GYTA-110~120	110~120	10	0	14.8	185	1000/3000	300/1000	10D/20D
GYTA-122~132	122~132	11	1	16.9	228	1000/3000	300/1000	10D/20D
GYTA-134~144	134~144	12	0	16.9	228	1000/3000	300/1000	10D/20D
GYTA-146~216	146~216			16.9	233	1000/3000	300/1000	10D/20D

Storage/Operating Temperature : -40°C to +70°C