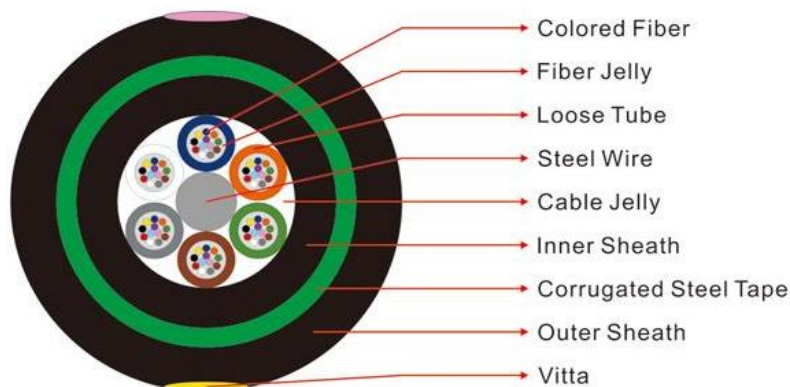


## Outdoor Direct Buried Fiber Optic Cable GYTY53



Product Code	Description			
3534-70004	Outdoor direct buried fiber optic cable GYTY53	9/125;50/125; 62.5/125	OM3;OM4	2-144 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, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates 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. The cable core is filled with the filling compound to protect it from water ingress, over which a thin PE inner sheath is applied. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

### •Characteristics

- Good mechanical and temperature performance
  - High strength loose tube that is hydrolysis resistant
  - Special tube filling compound ensure a critical protection of fiber
  - Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
  - Steel wire used as the central strength member
  - Loose tube filling compound
  - 100% cable core filling
  - PSP enhancing moisture-proof
  - Water-blocking material

### •Standards

GYTY53 cable complies with Standard YD/T 901-2001as well as IEC 60794-1.

## Outdoor Direct Buried Fiber Optic Cable GYTY53

### 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
GYTY53-2~6	2~6	1	5	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-8~12	8~12	2	4	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-14~18	14~18	3	3	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-20~24	20~24	4	2	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-26~30	26~30	5	1	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-32~36	32~36	6	0	13.8	188	1000/3000	1000/3000	10D/20D
GYTY53-38~48	38~48	4	1	14.6	206	1000/3000	1000/3000	10D/20D
GYTY53-50~60	50~60	5	0	14.6	206	1000/3000	1000/3000	10D/20D
GYTY53-62~72	62~72	6	0	15	215	1000/3000	1000/3000	10D/20D
GYTY53-74~84	74~84	7	1	16.4	254	1000/3000	1000/3000	10D/20D
GYTY53-86~96	86~96	8	0	16.4	254	1000/3000	1000/3000	10D/20D
GYTY53-98~108	98~108	9	1	17.8	290	1000/3000	1000/3000	10D/20D
GYTY53-110~120	110~120	10	0	17.8	290	1000/3000	1000/3000	10D/20D
GYTY53-122~132	122~132	11	1	19.5	340	1000/3000	1000/3000	10D/20D
GYTY53-134~144	134~144	12	0	19.5	340	1000/3000	1000/3000	10D/20D
GYTY53-146~216	146~216			19.5	345	1000/3000	1000/3000	10D/20D