Under Ground Fiber Cable GYTA53 Direct Burial

Variants

24 Core 12 Core 48 Core

Details

Optical Fiber Cable GYTY53

Fiber Color Code

No.	Color	No.	Color
1	Blue	7	Red
2	Orange	8	Black
3	Green	9	Yellow
4	Brown	10	Violet
5	Grey	11	Pink
6	Natural	12	Aqua

Cable Structure

Parameter	Specification
Fiber Type	Single Mode G.652D
Loose Tube Material	PBT
Central Strength Member	Steel Wire

Water Blocking	Non-woven Fabric / Tape
Steel Tape	0.18 mm
Inner Sheath	PE (0.8 mm)
Outer Sheath	PE (1.7 mm)
Cable Diameter	10.4 mm / 11.2 mm

Mechanical Performance

Parameter	Value
Tensile Strength	3000N / 1000N
Crush Resistance	3000N / 1000N per 100 mm
Min Bending Radius (Short Term)	20 × Cable Diameter
Min Bending Radius (Long Term)	10 × Cable Diameter
Operating Temperature	-40°C to +60°C
Storage Temperature	-40°C to +60°C

Fiber Properties (G.652D)

Parameter	Specification
Attenuation @1310nm	0.36 dB/km
Attenuation @1550nm	0.22 dB/km
Cut-off Wavelength	1260 nm
Mode Field Diameter	9.2 ± 0.4 µm
Cladding Diameter	125 ± 0.7 µm

Packing Information

Each cable is packed on a wooden drum suitable for long-distance transport. Standard drum length is **2000 meters (±3%)**. The cable is protected with plastic wrapping and sealed with wooden battens. A minimum of 1 meter is reserved for testing.

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