

## GYXTW53 Fiber Optic Cable Specification Sheet

GYXTW53 fiber optic cable is a double sheath steel tape armored outdoor optical cable designed for direct burial and duct installation applications. It offers excellent mechanical protection, moisture resistance, and stable transmission performance.

### GYXTW53 Fiber Optic Cable Structure



### Technical Specifications

Item	Specification
Cable Type	GYXTW53
Fiber Count	2-24 Cores
Fiber Type	G.652D / G.657A1 / G.657A2
Cable Structure	Central Loose Tube Double Sheath Steel Tape Armored Fiber Optic Cable
Loose Tube Material	PBT loose tube filled with water-blocking gel
Strength Member	Two Parallel Steel Wires
Armor Type	Corrugated Steel Tape (PSP)
Outer Sheath	Double PE Sheath
Outer Diameter	Approximately 12.0 mm
Approx. Weight	Approximately 180 kg/km
Min. Bending Radius	Installation: 20D / Operation: 10D

Tensile Strength	Short-term $\geq 1500$ N / Long-term $\geq 600$ N
Crush Resistance	Short-term $\geq 3000$ N/100mm / Long-term $\geq 1000$ N/100mm
Water Blocking System	Water-blocking gel and water-blocking tape
Installation Method	Direct Burial / Duct Installation
Operating Temperature	-40°C to +70°C
Installation Temperature	-20°C to +60°C
Standard Compliance	IEC 60794-1, ITU-T G.652D / G.657, RoHS

### Applications

- Direct burial outdoor communication networks
- Telecom backbone transmission
- FTTH access networks
- Outdoor duct installation
- Industrial and campus communication systems

### Advantages

- Excellent crush resistance and tensile strength
- Moisture-proof and water-blocking structure
- Anti-rodent steel tape armored design
- Stable optical transmission performance
- Suitable for harsh outdoor environments
- OEM and customized production supported

**Honelinks Communication — Professional Fiber Optic Cable Manufacturer**