GYXTC8S Aerial Self-Supporting Fig8 Single-Mode Fiber Optic Cable, G652D

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Variants

24 Core 6 Core 12 Core 48 Core

Details

Cable Structure & Parameters

Item	Unit / Type	Details
Optical Fiber	Type	Single Mode G.652.D
Loose Tube	Material	PBT
	Diameter	3.0 mm
Armor	Material	Corrugated Steel Tape
Sheath	Material	PE
	Diameter	7.2 mm (±0.3)
Messenger	Material	Stranded Steel Wire
	Diameter	1.8 mm (7×0.6 mm)
Tensile Strength	N	800 / 2000
Crush Resistance	N/100mm	300 / 1000

* Sheath thickness tolerance: ±0.2 mm
* Outer diameter tolerance: ±0.3 mm

Fiber Properties (ITU-T G.652D)

Item	Specification
Fiber Type	Single Mode
Material	Doped Silica
Attenuation	1310nm: ?0.36 dB/km 1383nm: ?0.32 dB/km 1550nm: ?0.22 dB/km 1625nm: ?0.30 dB/km
Cut-off Wavelength	?1260 nm
Zero Dispersion	1300–1324 nm
PMD	?0.2 ps/?km
Mode Field Diameter	9.2 ±0.4 µm
Cladding Diameter	125 ±0.7 µm

Mechanical & Environmental Characteristics

Parameter	Value
Bending Radius	10× cable diameter (operation), 20× cable diameter (installation)
Operating Temperature	-40°C to +60°C
Storage Temperature	-50°C to +70°C
Installation Temperature	-20°C to +50°C

Packing & Delivery

Packing Details

Non-fumigated wooden drum suitable for long-distance transport
Covered with protective plastic sheet
Sealed with strong wooden battens
Minimum 1 meter cable reserved for testing

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