

2-Core Outdoor Single Mode Fiber Optic Cable (GYXTW) Datasheet

Specification	Details
Fiber Type	Single Mode (G.652D or G.657A options available)
Fiber Count	2 Cores
Cable Structure	Central loose tube, jelly-filled
Armoring	Corrugated steel tape (PSP)
Strength Member	Two parallel steel wires
Outer Sheath Material	UV-resistant Polyethylene (PE) or MDPE
Cable Diameter (Nominal)	Typically 7.0 - 8.2 mm (may vary slightly by manufacturer)
Cable Weight (Nominal)	Approximately 54 - 80 kg/km
Max. Allowable Tensile Strength (Short Term)	1500 N
Max. Allowable Tensile Strength (Long Term)	600 N
Crush Resistance (Short Term)	1000 N/100mm
Crush Resistance (Long Term)	300 N/100mm

Minimum Bending Radius (Dynamic/Installation)	20 x cable diameter (20D)
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Minimum Bending Radius (Static/Operation)	10 x cable diameter (10D)
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Operating Temperature Range	-40°C to +60°C
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Installation Temperature Range	-10°C to +60°C
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Storage Temperature Range	-40°C to +70°C
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Optical Characteristics

Item	Specification (G.652D)
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Attenuation @ 1310 nm	≤ 0.36 dB/km
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Attenuation @ 1550 nm	≤ 0.22 dB/km
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Cable Cut-off Wavelength (λ_{cc})	≤ 1260 nm
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Zero-Dispersion Wavelength	1300 - 1324 nm
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