Mini Figure-8 6FO Span 80m Specification G.652D

Cable Cross-section and Dimensions

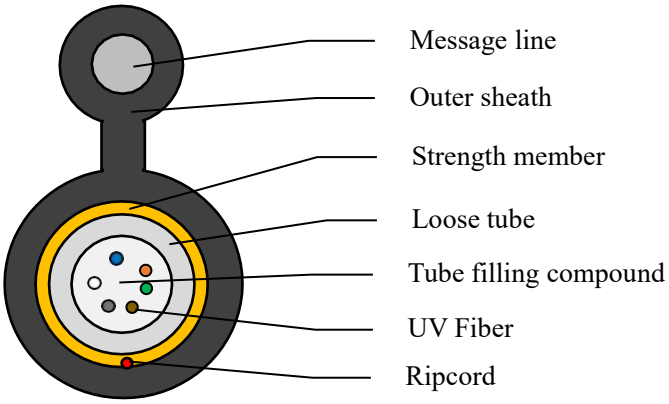


Figure. Cable Cross-Section (A-end)

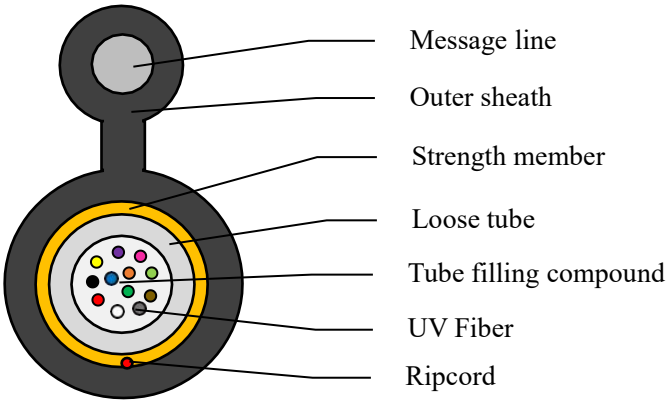
Item	Material	Description
Steel stranding wire	Steel wire	Diameter：1.6mm Steel wire
PE sheath of stranded wire	Black PE	Black PE
Web	Black PE	Black PE
PE outer sheath	Black PE	Black PE
Aramid yarns	Aramid yarns	Aramid yarns
Ripcord	Ripcord	Easy strip the sheath
Loose tube	PBT	Color code: natural
Tube filling gel	Gel	Water blocking & moisture proof
UV fiber	Silicon-based fiber(G.652D)	Color code: blue, orange, green, brown, gray, white
Cable O.D	Nominal value	5.4± 0.5(optical unit)×10.2±0.5 (total)mm
Cable weight	Nominal value	60±15kg/km

Main Mechanical and Environmental Characteristics

Item	Specified Value	Acceptance Criteria
1	Allowable tensile strength (N)	1250N
2	Crush	1000N/10cm
3	Temperature	-20~+65℃
4	Application	Aerial

Mini Figure-8 12FO Span 80m Specification G.652D

Cable Cross-section and Dimensions



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Main Mechanical and Environmental Characteristics

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G.652D fiber characteristics		
Optics specifications		
Attenuation	@1310nm	≤0.350dB/km
	@1383nm(after hydrogen aging)	≤0.350dB/km
	@1550nm	≤0.210dB/km
	@1625nm	≤0.240dB/km
Zero-Dispersion slope		≤0.092ps/(nm^2·km)
Dispersion	@1550nm	≤18.0ps/(nm·km)
	@1625nm	≤22.0ps/(nm·km)
Zero-Dispersion wavelength		1300nm～1324nm
Mode field diameter (MFD) at 1310nm		9.2±0.6μm
Mode field diameter (MFD) at 1550nm		10.5±1.0μm
Polarization Mode Dispersion	PMD（Single Value）	≤0.20ps/km1/2
	M≥20	Cables
	Q	0.01%
	PMD_Q（Link Value）	≤0.10ps/km1/2
Cable cutoff wavelength λ_c(nm)		1180nm≤λc≤1330nm
Cable cutoff wavelength λ_{cc}(nm)		≤1260nm
Back scatter characteristics (at 1310nm&1550nm)		
Point discontinuity		≤0.05dB
Attenuation uniformity		≤0.05dB/km
Attenuation coefficient difference for bi-directional measurement		≤0.05dB/km
Geometrical characteristics		
Cladding diameter		125±1.0μm
Cladding non-circularity		≤1. 0%
Core concentricity error		≤0.6μm
Fiber diameter with coating (uncolored)		245±15μm
Fiber diameter with coating (colored)		250±15μm
Cladding/coating concentricity error		≤12.5μm
Curl		≥4m
Mechanical characteristics		
Proof stress		≥0.69GPa(100kpsi)
Coating strip force (typical value)		1.4N
Dynamic stress corrosion susceptibility parameter (typical value)		≥20
Macrobend loss at 1550/1625nm	Φ30mm,100 turns	≤0.10dB
	Φ16mm,1 turns	≤0.10dB