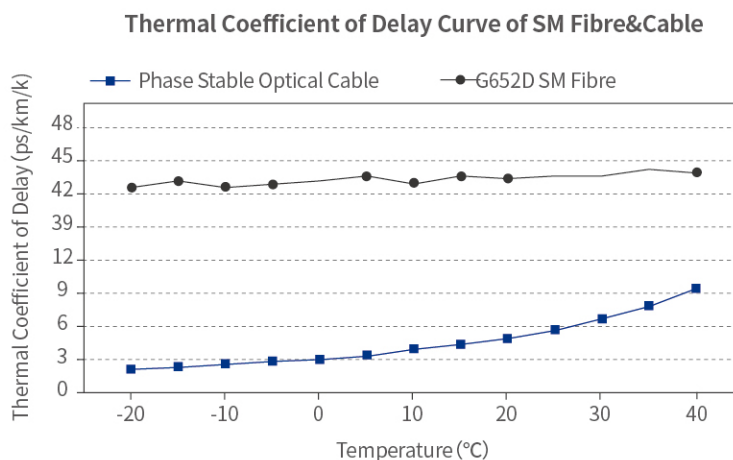


# Phase Stable Optical Cable

Yangtze Optical Fibre and Cable Joint Stock Limited Company

The phase stable optical cable consisted of G.652D and organics with negative expansion coefficient. Thermal delay coefficient of the cable is below 10ps/km/k, which is tested below 40°C. The phase stable optical cable can be applied in baseband signal transmission of synchronous measuring system, and other important domains and systems. Various optical fibres are available for the phase stable cable, according the customer demanding.



## Characteristics

- Low Temperature Coefficient
- Miniaturization & Lightweight
- High Tensile Strength
- Available Length >20km

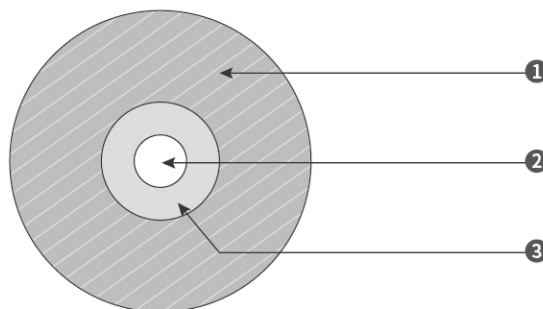
## Application

- Astronomy
- Linear Particle Acceleration
- Quantum Mechanics
- Phased-Array Antenna



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- ① Special Buffer
- ② Glass Fibre
- ③ Coating



## Specifications

Optical Cable Type	TBF-G652D-600C	
Part No.	TB1011-A	
Optical Properties	Typical	Unit
Wavelength	1550	nm
Attenuation@23°C	<0.5@1550nm	dB/km
	<0.5@1310nm	dB/km
Geometrical Properties		
Out-Diameter	600 ± 50	µm
Concentricity of Buffer	<6	%
Non-Circularity of Buffer	<3	%
Material		
Flame Rating	UL94 V0	—
Thermal Coefficient of Delay*	<10@1550nm	ps/km/k
Mechanical Properties		
Dynamic Bending Radius	15	mm
Static Bending Radius	20	mm

\* Range of Temperature: -20°C ~ 40°C