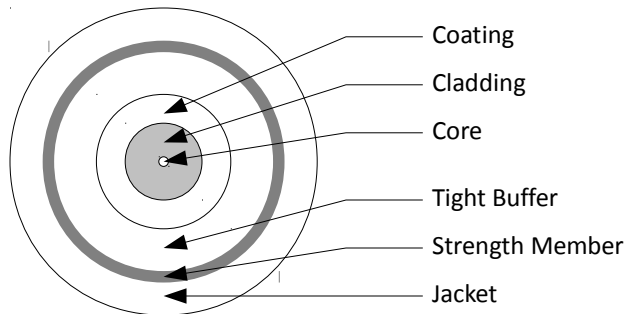


Construction Detail



Description

For optical fiber transmission

Rated Temperature (°C)	-20 to +60
Product Standards	G.652.D
Flame Test	OFNR
Product Compliance	RoHS

Physical Construction

Inner Optical Fiber	Corning Glass
Core Dia. (µm)	9
Cladding Dia. (±0.7µm)	125
Coating Dia. (±5µm)	242

Core-Cladding concentricity (µm)	≤0.5
Cladding non-circularity (%)	≤0.7
Coating-Cladding concentricity (µm)	≤12

Outer Optical Cable

Tight Buffer	PVC
Outer Dia. (mm)	0.9
Strength Member	Aramid (Kevlar)
Jacket	PVC
Outer Dia. (mm)	2.00

Colours

Jacket	Yellow
Sheath	White

Performance Characteristics

Typical Optical

Insertion Loss (dB)	≤0.3
Return Loss (dB)	≥45
Mode Field Diameter (±0.4µm@1310nm)	9.2
Mode Field Diameter (±0.5µm@1550nm)	10.4
Attenuation (dB/km@1310nm)	≤0.35
Attenuation (dB/km@1550nm)	≤0.2

Mechanical

Tensile Strength, Long-Term (N)	80
Tensile Strength, Short-Term (N)	100
Crush Resistance, Long-Term (N/100mm)	100
Crush Resistance, Short-Term (N/100mm)	500
Bend Radius, Dynamic (mm)	20xD
Bend Radius, Static (mm)	10xD
	(D: Cable Diameter)

Jacket Marking (black)

CORNING OPTICAL FIBER [MM]/[YYYY] SM 9/125um OF (UL)E247906 XXXXX M

Where:
 [MM] – Month
 [YYYY] – Year
 XXXXX – Length in spool