



Spectroscopy Fiber cables

Product Code: NIR 600/660/850A/1300N - SMA-SMA

Step Index Multimode

Pure Fused Silica Core/ Fluorine Doped Silica Cladding

Wavelength: VIS-IR (Low OH; <0.1ppm)

Numerical Aperture (NA): 0.22 ± 0.02

Geometrical features

Core Diameter (μm): 600 ± 2

Cladding Diameter (μm): 660 ± 2

Acrylate Coating Diameter (μm): 850 ± 3

Nylon Buffer Diameter (μm): 1300 ± 45

Strengthening Material: Kevlar surrounded over buffered coating

Outer jacket/ Sheathing: High Temperature PVC

OD 5,5 mm or 6,5 mm

Optical Properties

Attenuation @ 850nm <5dB/km

Attenuation @ 1064nm <3dB/km

Attenuation @ 1385nm <12dB/km

Attenuation @ 2100nm <120dB/km

Additional features

Termination: both sides terminated by SMA 905

Also possible made from stainless steel 1.4301

Proof – test (100%): > 70kpsi

Operating temperature: -40°C $+85^{\circ}\text{C}$

Buffer color: black



Can be delivered in length` up to 400 m without connections