



1 Core FTTH Fiber Datasheet

Item	1 CORE FTTH FIBER OPTIC CABLE	
Fiber Count	1 Core	
Fiber standard	G.657.A2	
Fiber type	Single mode	
Colored Coating Fiber	Dimension	250 μ m \pm 10 μ m
	Color	Blue
Strength Member	Dimension	0.45 mm \pm 0.1mm
	Material	STEEL
Messenger	Dimension	1.0 mm \pm 0.1mm
	Material	STEEL
Outer Jacket	Material	LSZH
	Color	Black

Features

ITEM	CHARACTERISTICS
Operation Temperature	-20°C to 60 °C
Storage Temperature	-40°C to 85°C
Tensile Load	S(N) 200
	L(N) 100
Crush Load	S(N) 1000
	L(N) 300
Bend Radius	S(MM) 20D
	L(MM) 10D
Coating Non-Circularity	\leq 6.0 %
Cladding-Coating Concentricity Error	\leq 12.0 μ m



Cable Cutoff Wavelength		$\lambda_{cc} \leq 1260 \text{ nm}$
λ_{0min}		1300nm
λ_{0max}		1324nm
For λ 1310nm		8.6 - 9.5 μm
Tolerance		$\pm 0.4 \mu\text{m}$
Attenuation (max.)	1310nm	$\leq 0.38 \text{ dB/km}$
	1550nm	$\leq 0.26 \text{ dB/km}$
	1625nm	$\leq 0.4 \text{ dB/km}$
Marco-Bending Loss	1turn \times 10mm radius @1550nm	$\leq 0.03 \text{ dB}$
	1turn \times 10mm radius@1625n m	$\leq 0.1 \text{ dB}$
Stress (mini)	$F_{ST}(N)$	700
	$F_{LT}(N)$	300
Warranty		25 years