



2 Core FTTH Fiber Data sheet

Item	2 CORE FTTH FIBER OPTIC CABLE	
Fiber Count	2 Core (Blue,Orange)	
Fiber standard	G.657.A2	
Fiber type	Single mode	
Colored Coating Fiber	Dimension	250 μ m \pm 10 μ m
	Color	Blue & Orange
Strength Member	Dimension	0.45mm \pm 0.1mm
	Material	STEEL
Outer Jacket	Material	LSZH
	Color	Black
Messenger	Material	STEEL
	Dimension	1.0 mm \pm 0.1mm

Features

ITEM	CHARACTERISTICS
Operation Temperature	-20 $^{\circ}$ C to 60 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C to 85 $^{\circ}$ 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	$\leq 0.4 \text{ dB/km}$
	1550nm	$\leq 0.30 \text{ dB/km}$
	1625nm	$\leq 0.4 \text{ dB/km}$
Marco-Bending Loss	1turn \times 10mm radius @1550nm	$\leq 0.03 \text{ dB}$
	1turn \times 10mm radius@1625nm	$\leq 0.1 \text{ dB}$
Stress (mini)	$F_{ST}(N)$	700
	$F_{LT}(N)$	300
Warranty		25 years