



Jiangsu TX Plastic Optical Fibers Co.,Ltd



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Specifications

for Side Glow Optic Fiber

TX-SCC-2000/3.0B

Lighting and Decoration

Issued on : 15th, Jan, 2020

Issued by : Jiangsu TX Plastic Optical Fibers Co., Ltd



Product Structure:

TX-SCC-2000/3.0B

Product Data:		
1. Fiber core material	MMA Polymer	
2. Cladding material	Transparent PTFE	
3. Jacket material	Black PVC	
4. Minimum bending radius	6 x diameter	
5. Wavelength range	370~690nm	
6. Interior Refractive Index	1.475	
7. Exterior Refractive Index	1.375	

Product Parameters:

	Item	Unit	Index
Structural Parameters	Core diameter	mm	2.0±0.3mm
	Jacket diameter	mm	Max. 3.4mm Typ. 3.0mm Min. 2.7mm
	Cladding non-circularity	%	≤6
	Numerical Apertures	/	0.65
	Length	m/roll	100
Optical Properties	Attenuation @650nm	dB/km	≤320
Mechanical Properties	Repeated bending (200times)	dB	Loss added ≤2
	Tensile strength	N	70
	Twisting (5times)	dB	Loss added ≤2
	Impacting (0.4N/meter)	dB	Loss added ≤2

All test are carried our under temperature of 25°C unless otherwise specified.

Storage temperature: -40°C~ +85°C

Operation temperature: -40°C~ +85°C