



Specification Sheet

TX-CC1000-1AV

UL certified flame retardant plastic optical fiber cable

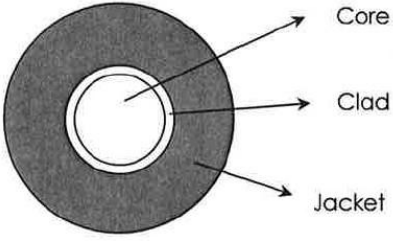
Jiangsu TX Plastic Optical Fibers Co., Ltd

Issued on : March 21, 2019

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

TX-CC1000-1AV

1. Structure:

<ul style="list-style-type: none"> ◆ Core Material PMMA ◆ Cladding Material Fluorinated Polymer ◆ Jacket Material high-performance polyvinyl chloride ◆ Core Refractive Index 1.49 ◆ Number of Fibers 1 ◆ Fiber Diameter 1.0mm ◆ Jacket Diameter 2.2mm 	
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2. Performances:

	Item	Unit	Specification
Structure	Core Diameter	μm	980±60
	Cladding Diameter	μm	1000±60
	Jacket Diameter	mm	2.20±0.07
	Numerical Aperture	NA	0.5
	Weight	g/m	5.0
Optical Properties	Transmission Loss [650nm Collimated Light]	dB/km	≤170
Mechanical Characteristics	Tensile Strength	N	≥70
	Minimum Bend Radius	mm	25
	Impact Endurance	dB	≤0.2
	Repeated Bending Endurance	dB	≤0.2
	Twisting Endurance	dB	≤0.2
Flame Rating	flame resistance	/	UL758 VW-1
Standards	UL758 ROHS REACH YD/T 1258.6-2006 YD/T 1447-2013 GB/T 12357.4-2004		

*All tests are carried out under temperature of 25°C unless otherwise specified.

*Temperature: -55~85°C。

*Application: Suitable for high communication requirements of industrial communication, Internet, industrial control, high and low voltage frequency converter, electrical control cabinet, high-end consumer electronics and other optical information transmission.