

NCTS-SXC

Indoor Fiber Optic Cable 1 core

Color Optional

Description

SXC simplex cable use single 900um tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH jacket.

Characteristics

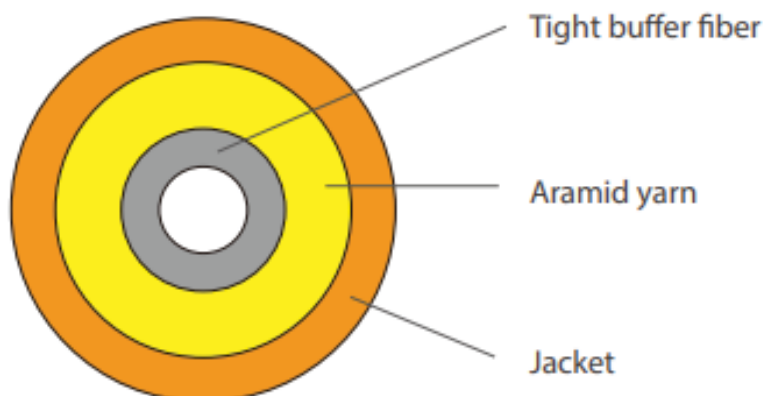
- Tight buffer fiber easy of stripping
- Aramid yarn as strength member make cable have excellent tensile strength

Application

Multi optical fiber jumper or pigtail

Indoor riser level and plenum level cable distribution

Interconnect between instruments communication equipment



NCTS-SXC

Indoor Fiber Optic Cable 1 core

Color Optional

Technical Specifications
Model: NCTS-SXC

Technical parameter

Cable O.D.	2.0mm				
Strength member	Aramid yarn				
Outer jacket	PVC / LSZH				
Fiber type	G.652 D	OM1(62.5/125)	OM2	OM3	OM4

Attenuation Max.	1310nm	dB/km	≤0.36
	1550nm		≤0.22
	850nm		≤2.3
	1300nm		≤0.6
Bending radius	Statistic	mm	30D
	Dynamic		50D
Temperature	installation	℃	-15~+60
	Storage and transportation		-20~+60
	Working		-20~+60
Tensile	Long term	N	60
	Short term		100
Crush	Long term	N/10cm	100
	Short term		500

G.652dFiber

Geometric features	cladding diameter μm	125.0±0.8	
	Cladding roundness %	≤1.0	
	Coating diameterμm	245±10	
	Coating/cladding concentricity error μm	≤12	
	Coating roundness %	≤6	
	Core/cladding concentricity error μm	≤0.5	
optical properties	The mode field diameter	1310nm	8.8±0.4μm
		1550nm	9.8±0.6μm
	attenuationdB/km	1310nm	≤0.36
		1550nm	≤0.22
	Cutoff wavelength nm		≤1260

OM1Fiber

Geometric features	Core diameter μm	62.5±2.5	
	cladding diameter μm	125.0±0.8	
	Cladding roundness %	≤1.0	
	Coating diameterμm	245±10	
	Coating/cladding concentricity error μm	≤12	
	Coating roundness %	≤6	
	Core/cladding concentricity error μm	≤1.5	
optical properties	Group index of refraction	850nm	1.496
		1300nm	1.491
	attenuationdB/km	850nm	≤3.0
		1300nm	≤0.8

OM2 Fiber

Geometric features	Core diameter μm		50 ± 2.5
	cladding diameter μm		125.0 ± 0.8
	Cladding roundness %		≤ 1.0
	Coating diameter μm		245 ± 10
	Coating/cladding concentricity error μm		≤ 12
	Coating roundness %		≤ 6
	Core/cladding concentricity error μm		≤ 1.5
optical properties	Group index of refraction	850nm	1.482
		1300nm	1.477
	attenuation dB/km	850nm	≤ 2.5
		1300nm	≤ 0.7

OM3 Fiber

Geometric features	Core diameter μm		50 ± 2.5
	cladding diameter μm		125.0 ± 0.8
	Cladding roundness %		≤ 1.0
	Coating diameter μm		245 ± 10
	Coating/cladding concentricity error μm		≤ 12
	Coating roundness %		≤ 6
	Core/cladding concentricity error μm		≤ 1
optical properties	Group index of refraction	850nm	1.482
		1300nm	1.477
	attenuation dB/km	850nm	≤ 2.3
		1300nm	≤ 0.6
	10Gb/s ethernet link distance		$\leq 300\text{m}$

OM4 Fiber

Geometric features	Core diameter μm		50 ± 2.5
	cladding diameter μm		125.0 ± 0.8
	Cladding roundness %		≤ 1.0
	Coating diameter μm		245 ± 10
	Coating/cladding concentricity error μm		≤ 12
	Coating roundness %		≤ 6
	Core/cladding concentricity error μm		≤ 1
optical properties	Group index of refraction	850nm	1.482
		1300nm	1.477
	attenuation dB/km	850nm	≤ 2.3
		1300nm	≤ 0.6
	10Gb/s ethernet link distance		$\leq 550\text{m}$