

NCTS-ZCC Indoor Fiber Optic Cable Figure-8 2 cores - Color Optional

Description

ZCC duplex 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 figure 8 PVC or LSZH jacket.

Characteristics

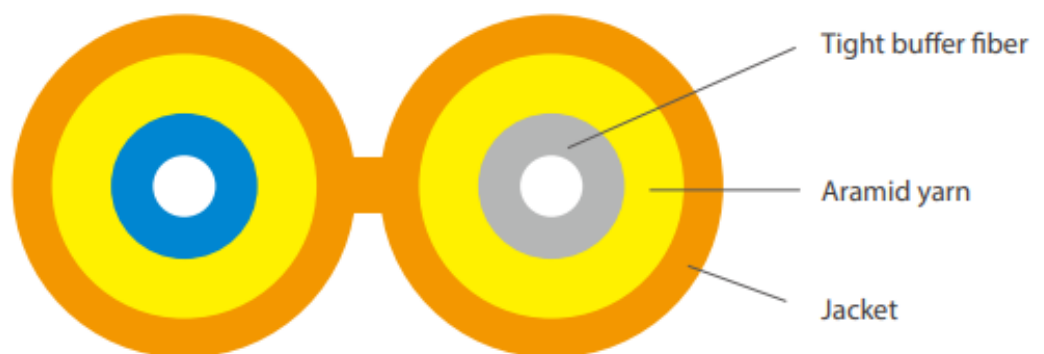
- Tight buffer fiber easy of stripping
- Aramid yarn as strength member make cable have excellent tensile strength
- Figure 8 structure jacket facilitate embranchment

Application

Duplex Optical fiber jumper or pigtail

Indoor riser level and plenum level cable distribution

Interconnect between instruments communication equipment



NCTS-ZCC

Indoor Fiber Optic Cable Figure-8

2 cores - Color Optional

Technical Specifications

Model: NCTS-ZCC

Technical parameter

Cable O.D.	2.0*4.0mm				
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	°C	-15~+60
	Storage and transportation		-20~+60
	Working		-20~+60
Tensile	Long term	N	100
	Short term		200
Crush	Long term	N/10cm	100
	Short term		200

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		

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		$\leq 550\text{m}$