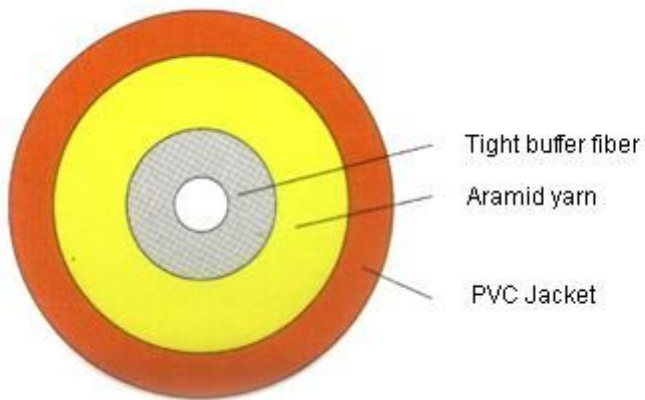


## 1-Fiber Simplex Indoor Cable



### ·Description

NECERO indoor fiber optical cable is made by evenly applying strands of Aramid yarns as the strength member over tight buffer fibers and then is completed with a flame-retardant sheath.

### ·Characteristics

- Good uniformity of the outer diameter of tight buffer fiber and excellent strippability
- Good performance of flame-retardant
- Low induced attenuation within the operating temperature range
- Excellent geometrical dimension of the fiber

### ·Application

- Data communication
- Making connector
- Installation: riser, plenum, etc.
- Places where waterproof is not strictly required
- Making jumper, pigtail and building distribution

·Description

- 1fiber,  $\Phi 900\mu\text{m}$  or  $\Phi 600\mu\text{m}$  Tight buffer fiber, Aramid yarn, PVC Jacket.

·Standards

- Comply with Standard YD/T 1258.2-2003, ICEA-596, GR-409, IEC794, etc; and meet the requirements of UL approval for OFNR and OFNP.

·Cable Code

	SXC-III	SXC-II	SXC-I
Cable Diameter	2.8 $\pm$ 0.2mm	2.0 $\pm$ 0.2mm	1.6 $\pm$ 0.2mm
Cable Weight	6.9kg/km	5.9kg/km	4.0kg/km
TBF Diameter	900 $\pm$ 50 $\mu\text{m}$	900 $\pm$ 50 $\mu\text{m}$	600 $\pm$ 50 $\mu\text{m}$

·Mechanical Characteristics

Tensile Strength	Long term	80N	60N	
	Short term	150N	120N	
Crush Resistance	Long term	100N/100mm		
	Short term	500N/100mm		
Bending Radius	Dynamic	20 $\times$ D ( Cable Diameter)		
	Static	10 $\times$ D ( Cable Diameter)		

·Optical Characteristics

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		50/125 $\mu$ m	62.5/125 $\mu$ m	G.652	G.655
Attenuation(+20 $^{\circ}$ C)	@850nm	$\leq 3.5$ dB/km	$\leq 3.5$ dB/km		
	@1300nm	$\leq 1.5$ dB/km	$\leq 1.5$ dB/km		
	@1310nm			$\leq 0.45$ dB/km	$\leq 0.50$ dB/km
	@1550nm			$\leq 0.30$ dB/km	$\leq 0.50$ dB/km
Bandwidth (Class A)	@850nm	$\geq 500$ MHz·km	$\geq 200$ MHz·km		
	@1300nm	$\geq 1000$ MHz·km	$\geq 600$ MHz·km		
Numerical Aperture		0.200 $\pm$ 0.015 NA	0.275 $\pm$ 0.015 NA		
Cable Cut-off Wavelength $\lambda_{cc}$				$\leq 1260$ nm	$\leq 1480$ nm
Attenuation at temperature cycling $\Delta\alpha(-20^{\circ}\text{C}\sim+85^{\circ}\text{C})$	@1300nm	$\leq 0.25$ dB/km	$\leq 0.25$ dB/km		
	@1550nm			$\leq 0.10$ dB/km	$\leq 0.15$ dB/km

### ·Environmental Characteristics

Transport Temperature	-20 $^{\circ}$ C $\sim$ +60 $^{\circ}$ C
Storage Temperature	-20 $^{\circ}$ C $\sim$ +60 $^{\circ}$ C
Installation Temperature	-5 $^{\circ}$ C $\sim$ +50 $^{\circ}$ C
Operating Temperature	-20 $^{\circ}$ C $\sim$ +60 $^{\circ}$ C