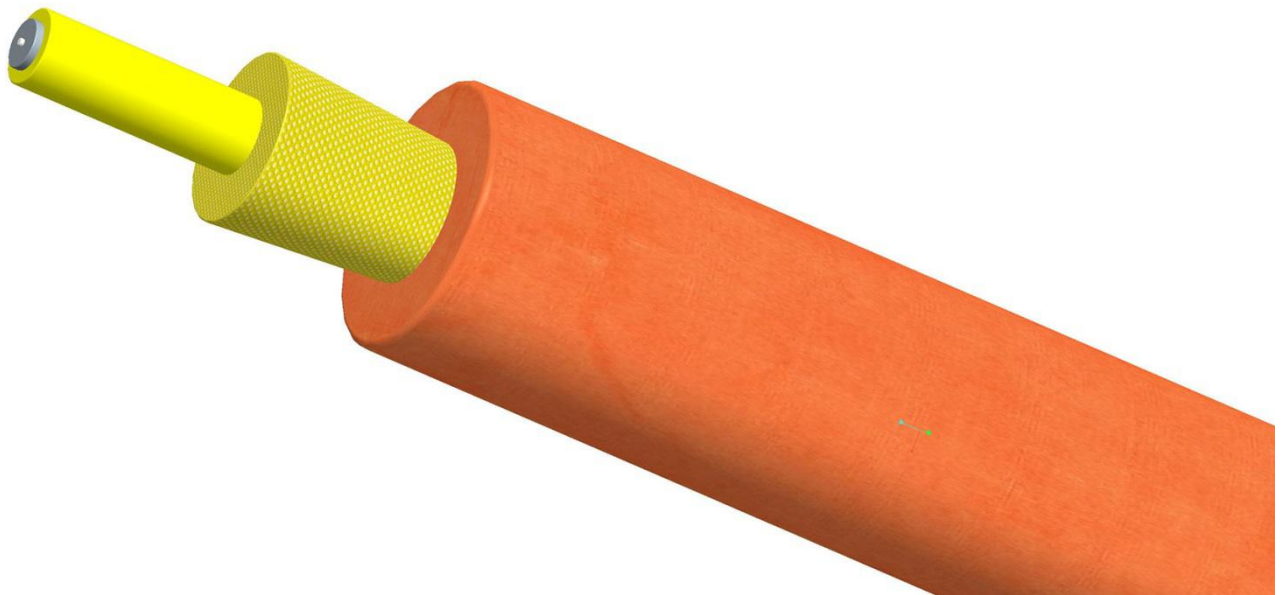




1-Fiber Simplex Indoor Cable



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 02 (Version 2)

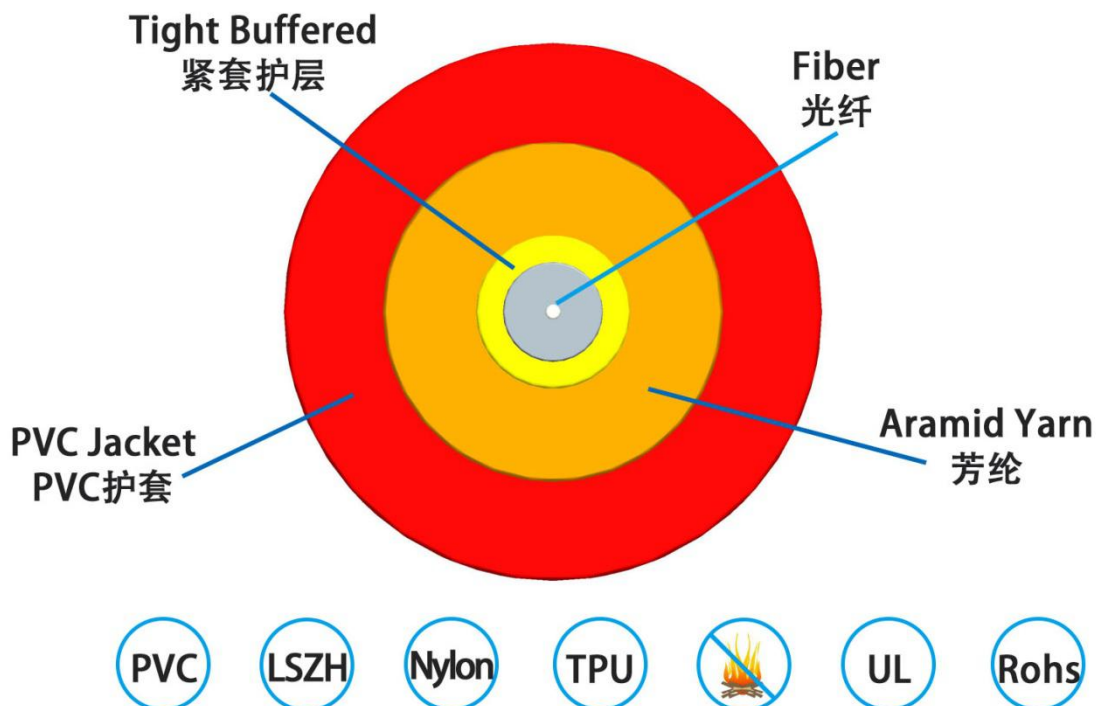
Overview

The optical 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.

Product Features

- 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

Product Structure



Optical Characteristics

		50/125μm	62.5/125μm	G.652	G.655
Attenuation(+20°C)	@850nm	≤3.5dB/km	≤3.5dB/km		
	@1300nm	≤1.5dB/km	≤1.5dB/km		
	@1310nm			≤0.45dB/km	≤0.50dB/km
	@1550nm			≤0.30dB/km	≤0.50dB/km
Bandwidth (Class A)	@850nm	≥500MHz·km	≥200MHz·km		
	@1300nm	≥1000MHz·km	≥600MHz·km		
Numerical Aperture		0.200±0.015NA	0.275±0.015NA		
Cable Cut-off Wavelength λ _{cc}				≤1260nm	≤1480nm
Attenuation at temperature cycling Δα(-20°C~+85°C)	@1300nm	≤0.25dB/km	≤0.25dB/km		
	@1550nm			≤0.10dB/km	≤0.15dB/km

Technical Parameters

	SXC-III	SXC-II	SXC-I
Cable Diameter	2.8±0.2mm	2.0±0.2mm	1.6±0.2mm
Cable Weight	6.9kg/km	5.9kg/km	4.0kg/km
TBF Diameter	900±50μm	900±50μm	600±50μm

Storage/Operating Temperature : -20°C to + 60°C

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address: A-14, Haide Building, the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen, China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001



Email: info@optostar.com.cn

Skype: ouyangroya

Web: www.optostar.com.cn