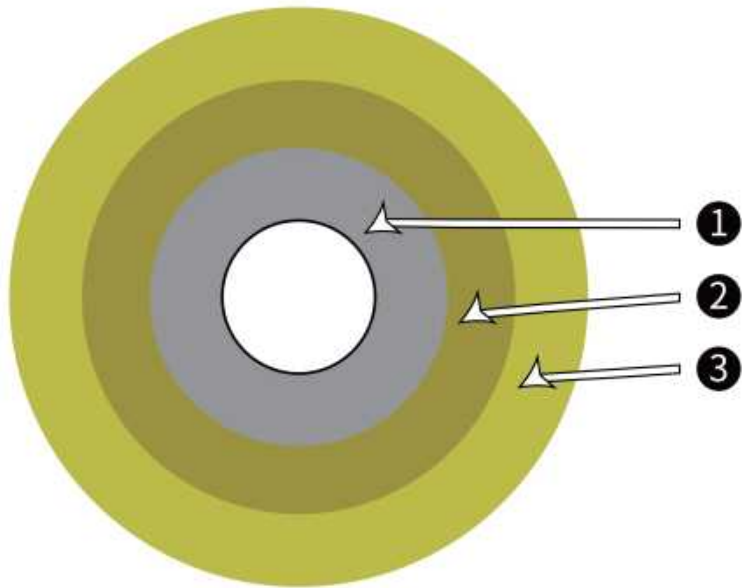


SXC

Single Core Indoor Optical Cable



- 1
- Tightly buffered fiber
- 2
- Aramid
- 3
- Sheath

Product Description

The single core indoor fiber optic cable utilizes 900μm or 600μm tight-buffered optical fibers as the optical transmission unit, with aramid yarns serving as the strength member. The cable is then extruded with a layer of polyvinyl chloride(PVC)as the outer sheath. Alternatively, low-smoke zero-halogen(LSZH)materials can be provided based on customer requirements.

Product Feature

- ◆The use of tight-buffered optical fibers facilitates easy stripping.
- ◆Tight-buffered optical fibers exhibit excellent flame retardancy.;
- ◆Aramid yarn strength members provide outstanding tensile performance for the cable.
- ◆The outer sheath material offers corrosion resistance, waterproofing, flame resistance, and environmental friendliness.

Product Applications

- Fiber optic patch cords or pigtails for active connections.
- Indoor riser and plenum cabling for vertical shafts and forced ventilation.
- Interconnection of instruments and communication equipment.



Structural Parameters

Cable Model	Reference Cable Diameter (mm)	Reference Cable Weight (kg/km)		Tight-buffered Optical Fiber Diameter (μm)	Allowable Tensile Force Long-term/Short-term (N)	Allowable Crush Force Long-term/Short-term (N)	Bending Rodius Static/Dynamic (mm)
		PVC Sheath	LSZH Sheath				
SXC-1.6	1.6±0.2	2.4	2.6	600±50	40/80	100/500	60/30
SXC-1.9	1.9±0.2	3.5	4.5	900±50	60/100	100/500	60/30
SXC-2.8	2.8±0.2	6.0	7.5	900±50	60/100	100/500	60/30

Optical Characteristics

Fiber Type	Attenuation				Fully Loaded Bandwidth	Effective Modal Bandwidth	10G Ethernet Link Length	Minimum Bending Rodius
Condition	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	/
	Typical Value	Max Value	Typical Value	Max Value				
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4	---	---	---	---	---	16
G657A1	0.36/0.22	0.5/0.4	---	---	---	---	---	10
G657A2	0.36/0.22	0.5/0.4	---	---	---	---	---	7.5
50/125	---	---	3.0/1.0	3.5/1.5	≥500/500	---	---	30
62.5/125	---	---	3.0/1.0	3.5/1.5	≥200/500	---	---	30
OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30
BI-OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	7.5
BI-OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	7.5

Operating/Storage/Use Temperature: -20℃ to +60℃, Installation Temperature: -5℃ to +50℃.

Delivery Length

Recommended Length: 2000m; other lengths can be provided according to customer requirements.

Note:
This document is for reference only and cannot be used as an attachment to the contract.
For detailed product information, please contact our sales staff.