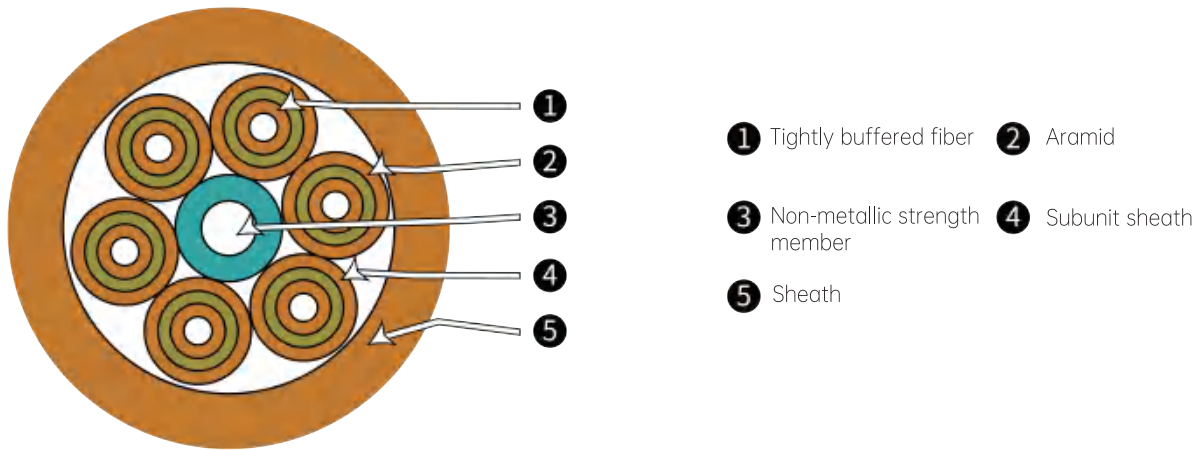


BOC

Multi-purpose Branch Optical Cable



Product Description

The multi-purpose branch cable utilizes single-core optical cable (with 900μm tight-buffered optical fiber and aramid strength member) as subunits, with a non-metallic central strengthening core. The cable subunits are twisted around the central strengthening core to form the cable core. Finally, a layer of polyvinyl chloride (PVC) sheath is extruded on the outside. Alternatively, a low smoke zero halogen (LSZH) material sheath can be provided according to customer requirements.

Product Feature

- The non-metallic strengthening core enables the optical cable to withstand greater tensile forces.
- ◆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

- Indoor comprehensive cabling
- Backbone cabling optical fiber cable for buildings



Structural Parameters

Cable Model	Reference Cable Diameter (mm)	Reference Cable Weight (kg/km)		Allowable Tensile Force Long-term/Short-term (N)	Allowable Crush Force Long-term/Short-term (N)	Bending Radius Static/Dynamic (mm)
		PVC Sheath	LSZH Sheath			
BOC-X-XX-04Xn	7.4±0.5	50	56	130/440	300/1000	20D/10D
BOC-X-XX-06Xn	8.4±0.5	66	74	200/660	300/1000	20D/10D
BOC-X-XX08Xn	9.8±0.5	91	101	200/660	300/1000	20D/10D
BOC-X-XX-12Xn	12.4±0.5	140	155	200/660	300/1000	20D/10D
BOC-X-XX-18Xn	12.4±0.5	140	155	400/1320	300/1000	20D/10D
BOC-X-XX-24Xn	14.4±0.5	181	201	400/1320	300/1000	20D/10D
BOC-X-XX-36Xn	16.4±0.5	208	255	400/1320	300/1000	20D/10D
BOC-X-XX-48Xn	19±0.5	280	344	400/1320	300/1000	20D/10D

Optical Characteristics

Fiber Type	Attenuation				Fully Loaded Bandwidth	Effective Modal Bandwidth	10G Ethernet Link Length	Minimum Bending Radius
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.