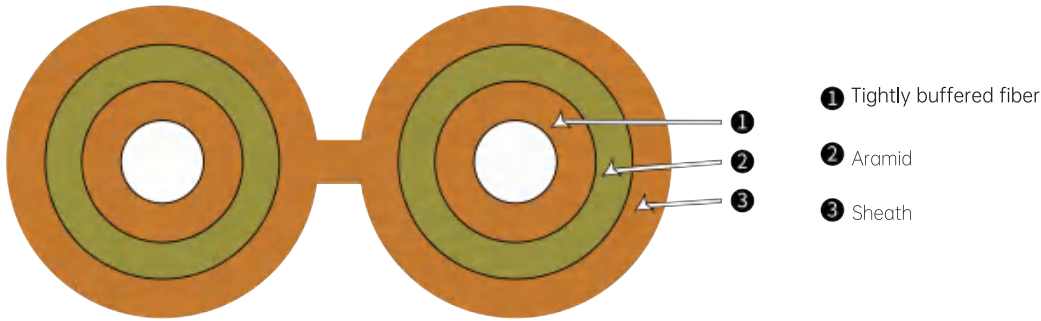


ZCC

Double Core 8-Shaped Optical Cable



Product Description

A dual-core figure-8 optical cable using 900μm or 600μm tight-buffered optical fibers as optical transmission units, with aramid yarns as strength members, and finally extruded with a layer of figure-8 polyvinyl chloride (PVC) sheath. Alternatively, a low smoke zero halogen (LSZH) material can be provided according to 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.
- The 8 shaped structure facilitates easy stripping for branch usage.

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	Allowable Crush Force	Bending Radius Static/Dynamic (mm)
		PVC Sheath	LSZH Sheath		Long-term/Short-term (N)	Long-term/Short-term (N)	
ZCC-1.6	(3.4±0.3)X(1.6±0.3)	4.8	5.3	600±50	40/80	100/500	60/30
ZCC-1.9	(4.0±0.3)X(1.9±0.3)	8.0	8.7	900±50	100/200	100/500	60/30
ZCC-2.8	(5.8±0.3)X(2.8±0.3)	11.6	14.8	900±50	100/200	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.