




Fiber-Optic Cable Specification

Overall Specification

Parameter	Specification
Cable	Multi-mode fiber-optic cable
Product Type	RoHS compliant
Characteristics	Little change in transmission speed
	Strong in bending
	Soft and easy to handle/install cable
	Excellent noise resistance

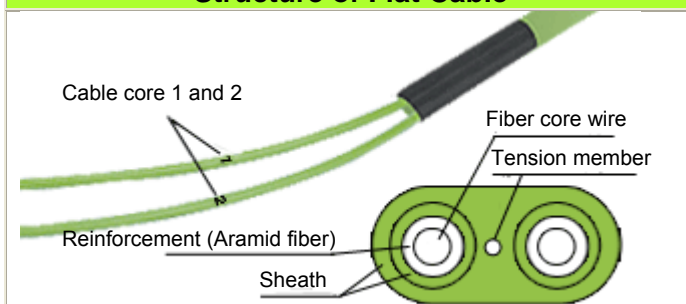
Connector

Parameter	Specification
Type	LC connector (IEC61754-20 standard)
Weight	Approx. 2g /connector
Image Diagram	

Fiber-Optic cable specification

Parameter	Specification
Fiber type	Graded index (GI) quartz
Core diameter	50±3 μm
Grad diameter	125±1 μm
Number of cores	2 cores
Cable color	Yellowish green
Weight	Approx. 35 kg / km
Outside diameter	φ4.0 mm × φ7.0 mm
Applying tension	70 N (7 kgf) (max.)
Minimum bend range	30 mm
Cable length lineup (Link)	5m/10m/20m/30m/40m/50m/60m/ 80m/100m/120m/150m

Structure of Flat Cable



Optical Characteristics of the Optic Connector

Parameter	Conditions	Characteristics
Fusion splice connection loss	Per point ($\lambda = 1.3 \mu\text{m}$)	0.3 dB (max.)

Note: A transmission loss of the fiber-optic cable with connectors is a total of the transmission loss of the cable and the fusion splice connection loss.

Optical Characteristics of the Fiber-Optic Cable

Parameter		Specifications
Long wavelength: 1310 nm	Transmission loss	0.4 dB (max.)
	Transmission bandwidth (6 dB width)	791 MHz (min.)
Short wavelength: 850 nm	Transmission loss	0.75 dB (max.)
	Transmission bandwidth (6 dB width)	1000 MHz (min.)



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