

Multimode Cables



Innovative

- Proprietary assembly procedures
- Any combination of connectors, fibers and cables
- Use standard connector types on large core fibers

Reliable

- 100% Testing of insertion loss, return loss, endface geometry and polish quality
- Built in the USA with quality components
- Apply quality procedures learned in building cables for satellites to every cable built

Responsive

- Pricing of standard cables available on the web
- Fast quotations for custom cables
- Small quantity orders ship in two days

Performance

- Low Insertion Loss
- High Return Loss
- 100% Testing
- Custom wavelength cables available
- All connector types supported

Coastal Connections custom engineers multimode cables to the tightest specifications in the industry. Our dedicated assemblers have 55 years combined experience terminating a large variety of cables. We use the best polishers, fixtures, and test equipment in the industry for reliability and consistency. We use proprietary processes that were developed in a multi-million dollar military program to build the most reliable connector possible.

Multimode Cable Specifications

Connectors

Connectors	Din	E-2000	FC	LC	SC	SMA	ST	FC Ferrule	Ferrule Stick	Capillary
Polish	UPC	APC UPC	APC UPC	APC UPC	APC UPC	UPC	UPC	APC UPC	APC UPC	APC UPC
Type	Screw on	Push Pull	Screw on	Push Pull	Push Pull	Screw on	Bayonet	2.5mm OD with Flange	2.5mm OD 10.5mm Long	1.8mm OD 10mm Long

Fibers

Fiber	50/125	SX+ Laser Optimized	Infinicor 600	62.5um	Infinicor 300	100	105	200	300	400	600	800	1mm
Core (um)	50	50	50	62.5	62.5	100	105	200	300	400	600	800	1,000
Cladding (um)	125	125	125	125	125	140	125	220	330	440	660	880	1,100
Wavelength (nm)	850 1300	850 1300	850 1300	850 1300	850 1300	850 1300	180 to 1300	180-1100 High OH 500-1900 Low OH					
Data Rate	400 400	1500 850	500 500	160 500	200 500	100 100	-	-					
Attenuation (dB/km)	2.4 0.57	2.4 0.8	2.5 0.8	3.0 0.7	3.0 0.7	4.0 1.5	10 @ 850nm	2000-10 High OH 15-1 Low OH					
Numerical Aperture	0.20	0.20	0.20	0.275	0.275	0.290	0.22	0.22					
Index	Graded	Graded	Graded	Graded	Graded	Graded	Step	Step					

Cables

OD	250um	400um	900um Tight	900um Loose	3mm PVC	3mm Steel	3mm Steel
Jacket Material	Acrylate	Acrylate	PVC	Hytel (Nylon) or PTFE (Teflon)	PVDF + PVC	Stainless Steel	Galvanized Steel +PVC
Strength Member	-	-	-	-	Kevlar	Stainless Steel	Kevlar

Performance

Core Size	50	62.5	100	200	300 to 1mm
Insertion Loss (dB)	≤0.2 (0.05 Avail)		≤0.2 (0.1 Avail)	≤0.5	≤1.0
Return Loss (dB)	UPC ≥45 (50 Avail)		UPC ≥45 (50 Avail)	PC ≥30	-