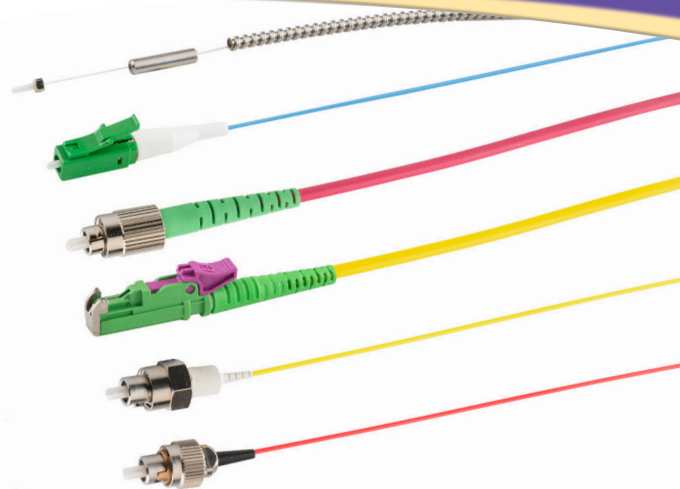


Single-Mode Cables

- Any combination of connectors, fibers, and cables
- 100% Testing
 - Insertion Loss
 - Return Loss
 - Endface Geometry
 - Polish Quality
- Proprietary epoxy curing for surviving harsh environments
- Built in the USA with quality components
- ISO 9001 Certified



Connectors

Connectors	E-2000	FC, QFC	LC	MU	SC	SMA	ST	1.25mm Ferrule	1.8mm Capillary	2.5mm Ferrule	3.2mm Ferrule
Polish	APC, UPC	APC, UPC Flat Angle	APC, UPC	APC, UPC	APC, UPC	UPC	UPC	APC, UPC	APC, UPC	APC, UPC	APC, UPC
Type	Push/Pull	Screw on	Push/Pull	Push/Pull	Push/Pull	Screw on	Bayonet	Ceramic Stainless	Borosilicate	Ceramic Stainless Borosilicate	Ceramic Stainless

Fibers

Typical values

Fiber Wavelength (nm)	320	405	460	630	780	980	1060 Flex	1060	1550	2000
Wavelength (nm)	320-450	405-525	450-600	600-770	780-970	980-1600	980-1550	980-1600	1310-1625	1700-2100
Cut-Off (nm)	<300	350-390	390-450	540-600	700-760	890-950	890-970	870-970	<1260	<1700
Mode Field (um)	≈3.0	3.5 @ 515	3.5 @ 515	4.0 @ 630	5.0 @ 850	4.2 @ 980 6.8 @ 1550	4.0 @ 980 6.3 @ 1550	5.9 @ 980 9.5 @ 1550	9.2 @ 1310 10.4 @ 1550	13 @ 1996
Attenuation (dB/km)	<200 @ 320 <70 @ 400	30 @ 515 12 @ 630	30 @ 515 12 @ 630	12 @ 630	4.0 @ 780 3.5 @ 850	3.5 @ 980	2.5 @ 980 1.0 @ 1550	2.1 @ 980 1.5 @ 1060	0.32 @ 1310 0.18 @ 1550	3dB @ 125M
Numerical Aperture	0.12	0.12	0.13	0.13	0.13	0.20	0.20	0.14	0.14	NA

Cables

OD	900um	1.6mm	2mm	3mm	3.8mm	5mm	5.8mm	7mm
Jacket Material	Hytrel PVC PVDF PTFE	PVC	PVC PVDF Polyurethane	PVC PVDF Polyurethane Stainless	Stainless	Stainless Plastic	Stainless w/ Silicone	Stainless
Strength Member	None	Kevlar						

Performance

Wavelength	405	460	630	780	850	980	1060	1310	1550
Insertion Loss (dB)	≤1.5 (≤1.0 Avail)	≤1.15 (≤0.75 Avail)	≤0.9 (≤0.55 Avail)	≤0.75 (≤0.45)	Avail)≤0.60 (≤0.35 Avail)	≤0.40 (≤0.20 Avail)	≤0.20 (≤0.10 Avail)		
Return Loss (dB)	APC ≥60, UPC ≥50*								

* Return loss on 320 to 1060nm fiber is measured at 1310nm.

** Insertion and return loss specifications do not apply to SMA connectors

Coastal Connections custom engineers single-mode cables to the tightest specifications in the industry.