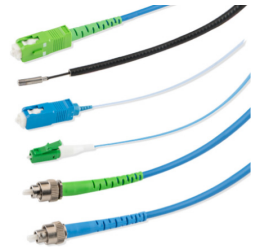


Polarization Maintaining Cables

- Any combination of connectors, fibers, and cables
- IL and ER testing at the design wavelength
- Proprietary epoxy curing for high extinction ratios
- Built in the USA with quality components
- ISO 9001 Certified
- 100% Testing
- Insertion Loss
- Return Loss
- Extinction Ratio
- Endface Geometry
- Polish Quality



Connectors

Connectors	ESCC 3420	FC, QFC	LC	SC	1.25mm Ferrule	1.8mm Capillary	2.5mm Ferrule
Polish	AP, UPC	APC, UPC, Flat Angle	APC, UPC				
Type	Screw on	Screw on	Push/Pull	Push/Pull	Ceramic Stainless	Borosilicate	Ceramic Stainless Borosilicate

Fibers

Typical values

Fiber Wavelength	350	400	RGB	480	630	850	980	LMA 10	LMA 15	1300	1550
Cut-Off (nm)	290-340	330-400	360-405	400-470	520-620	650-800	870-950	500	600	1130-1270	1300-1440
Mode Field (μm)	2.3	3.5	2.5-3.3	4.0	4.5	5.5	6.6	805	12.5	9.0	10.5
Attenuation (dB/km)	N/A	≤50	≤30-≤50	≤30	≤12	≤3.0	≤2.5	≤20	≤20	≤1.0	≤0.5
Numerical Aperture	0.076	0.070	0.075	0.070	0.085	0.100	0.100	0.04 to 0.08		0.10	0.10

Cables

OD	900μm	1.6mm	2mm	3mm
Jacket Material	Hytrel, PVC, PVDF, PTFE, PEEK	PVC	PVC, PVDF, Polyurethane, ETFE/PEEK	PVC, PVDF, Polyurethane, 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 (≤0.25 Avail)		≤0.20 (≤0.10 Avail)	
Return Loss (dB)	APC ≥60* UPC ≥45*			APC ≥65* UPC ≥50*					
Extinction Ratio (dB)	≥25				≥25 (30 Avail.)				
Key to Fiber Alignment	+/- 2°								

* Return loss on 400 to 1060nm fiber is measured at 1310nm



Aerospace



Autonomous & Robotics



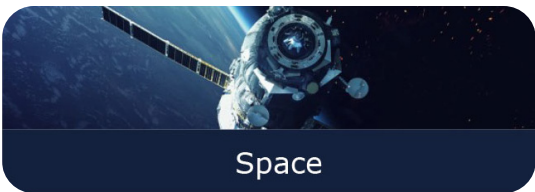
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With extensive experience, we ensure success across diverse industries by consistently meeting rigorous standards and exceeding expectations.

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- Grants Pass, Oregon
- Vancouver, Washington
- Ventura, California

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