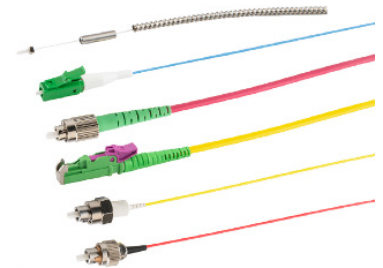


Single-Mode Cables

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



Connectors

Connectors	ESCC 3420	E-2000	FC, QFC	LC	MU	SC	SMA	ST	1.25mm Ferrule	1.8mm Capillary	2.5mm Ferrule
Polish	AP, UPC	APC, UPC	APC, UPC, Flat Angle	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	Push/Pull	Screw on	Bayonet	Ceramic Stainless	Borosilicate	Ceramic Stainless Borosilicate

Fibers

Typical values

Fiber Wavelength (nm)	320	405	460	630	780	980	1060 Flex	1060	1550	2000
	320-450	405-525	450-600	600-770	780-970	980-160	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 (µm)	≈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	0.100	0.090	0.085	0.085	0.110	0.20	0.160	0.110	0.110	0.100

Cables

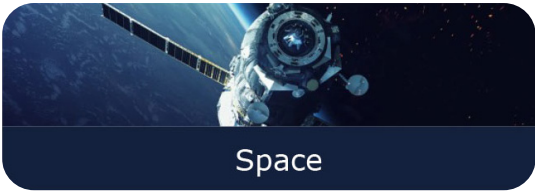
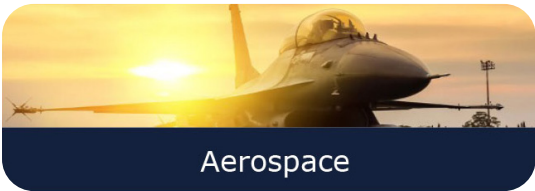
OD	900µm	1.6mm	2mm	3mm
Jacket Material	Hytrel, PVC, PVDF, PTFE, PEEK	PVC	PVC, PVDF, ETFE/PEEK, Polyurethane	PVC, PVDF, Polyurethane, Stainless
Strength Member	None	Kevlar		

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 (≤0.20 Avail)	≤0.20 (≤0.10 Avail)	≤0.20 (≤0.10 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



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