



***Radiation Hardened
Optical Cable***

**Optical and Mechanical
Performance to 20MRad**



Radiation Hardened

Linden's RadHard fiber optic cables provide a complete solution where a robust fiber optic link is needed in a harsh, high radiation environment. A wide variety of cable constructions are available to meet your specific requirements including our patented Non-Kink™ cable.

Tested as per European Space Agency - ESCC Basic Specification No. 2263010

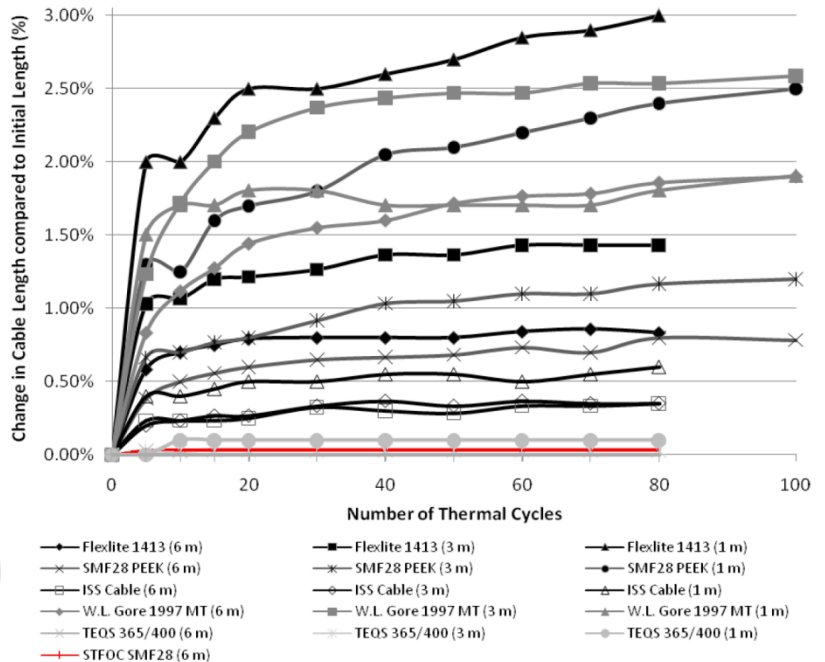


Features

- Maintain optical and mechanical performance to >20MRad
Tested to ESCC Spec No. 2263010
- Tested to NASA-STD-8739.5
- Tested to SAE AS5382
- No carbon layer needed



NASA Outgassing Tests on Linden RadHard Cable measured <0.01% CVCM for all jacket material



Advantages

- No Kevlar
- Thermally stable
- Preconditioning prevents jacket shrinkage
- Non-Crush
- Non-Kink

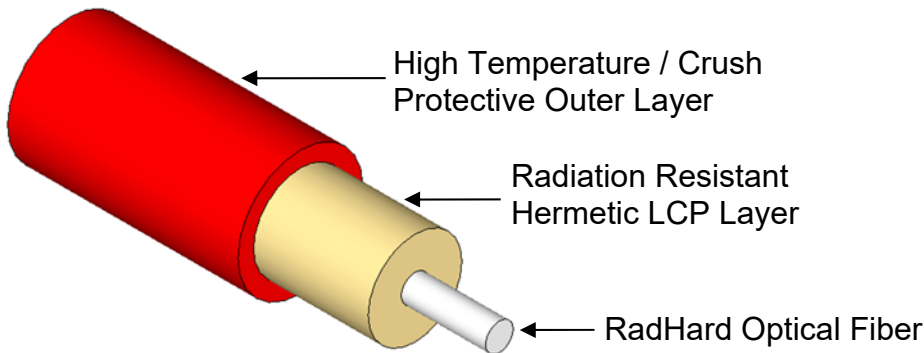


Singlemode

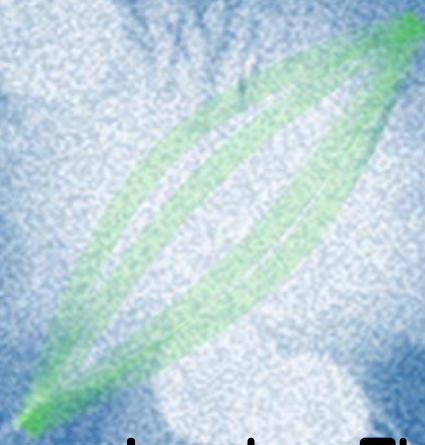
Spec No.	Part No.	Fiber Type	OD (mm)	Typical Connector Loss (dB)	Tensile Strength (lbs)
LINDEN-SPE-7079	1-M-A-27-J-65	RadHard Singlemode	1.65	<0.2dB	50
LINDEN-SPE-7208	1-M-A-27-J-79	RadHard Singlemode	2.0	<0.2dB	50
LINDEN-SPE-7209	1-M-A-27-J-87	RadHard Singlemode	2.2	<0.2dB	50
LINDEN-SPE-7068	1-EE-A-27-J-65	RadHard Polyimide	1.65	<0.2dB	50
LINDEN-SPE-7216	1-EE-A-27-J-79	RadHard Polyimide	2.0	<0.2dB	50
LINDEN-SPE-7217	1-EE-A-27-J-87	RadHard Polyimide	2.2	<0.2dB	50

Multimode

Spec No.	Part No.	Fiber Type	OD (mm)	Typical Connector Loss (dB)	Tensile Strength (lbs)
LINDEN-SPE-7088	1-N-A-27-J-35	RadHard MM (50/125)	.900	<0.2dB	50
LINDEN-SPE-7210	1-N-A-27-J-65	RadHard MM (50/125)	1.65	<0.2dB	50
LINDEN-SPE-7211	1-N-A-27-J-79	RadHard MM (50/125)	2.0	<0.2dB	50
LINDEN-SPE-7212	1-N-A-27-J-47	RadHard MM (50/125)	2.2	<0.2dB	50
LINDEN-SPE-7081	1-O-A-27-J-65	RadHard MM (62.5/125)	1.65	<0.2dB	50
LINDEN-SPE-7213	1-O-A-27-J-79	RadHard MM (62.5/125)	2.0	<0.2dB	50
LINDEN-SPE-7214	1-O-A-27-J-87	RadHard MM (62.5/125)	2.2	<0.2dB	50



CONTACT LINDEN PHOTONICS FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



Linden Photonics, Inc.

1 Park Drive, Unit 10, Westford MA 01886

Phone: 978-392-7985

Email: info@LindenPhotonics.com

Web: www.LindenPhotonics.com