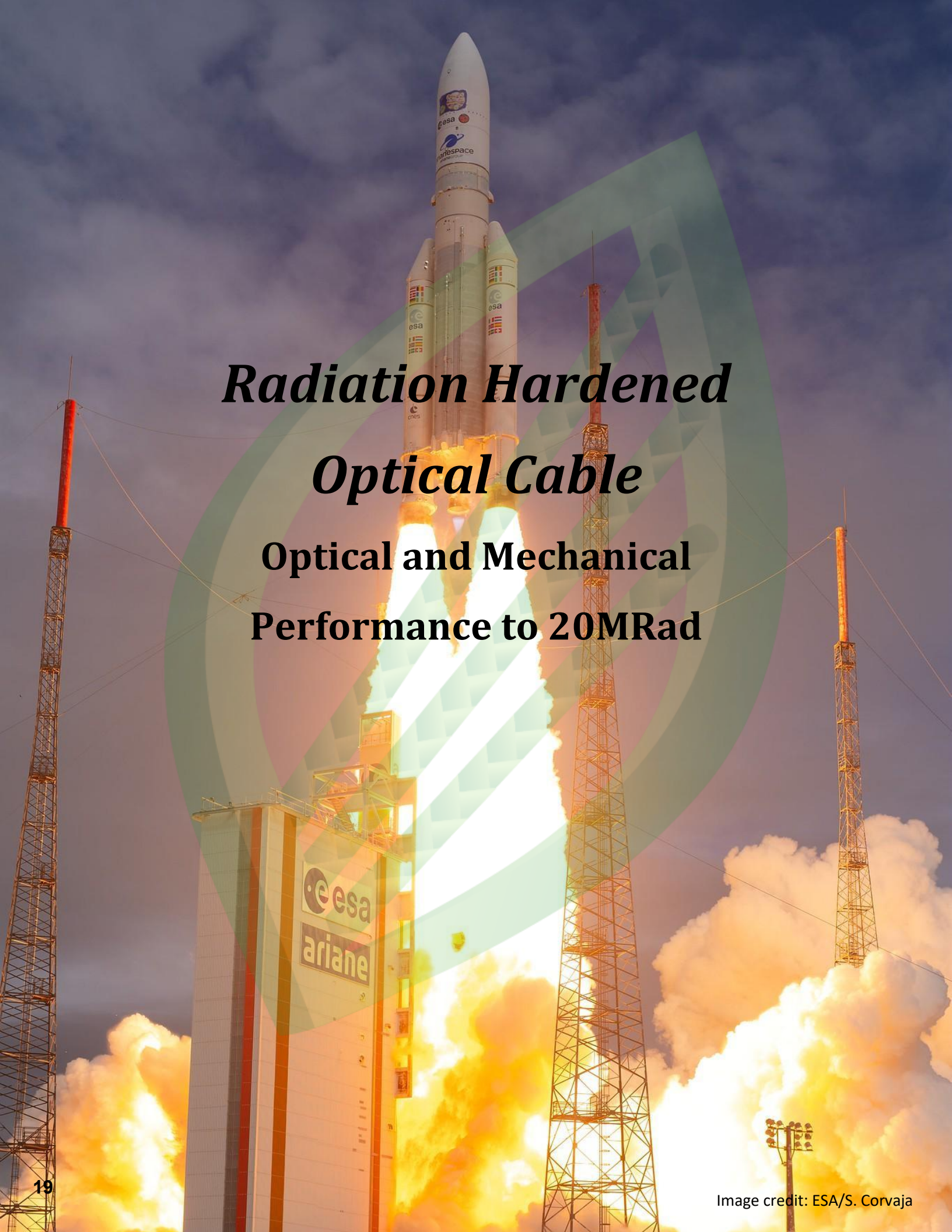


Radiation Hardened Optical Cable

Optical and Mechanical Performance to 20MRad

Image credit: ESA/S. Corvaja

Radiation Hardened

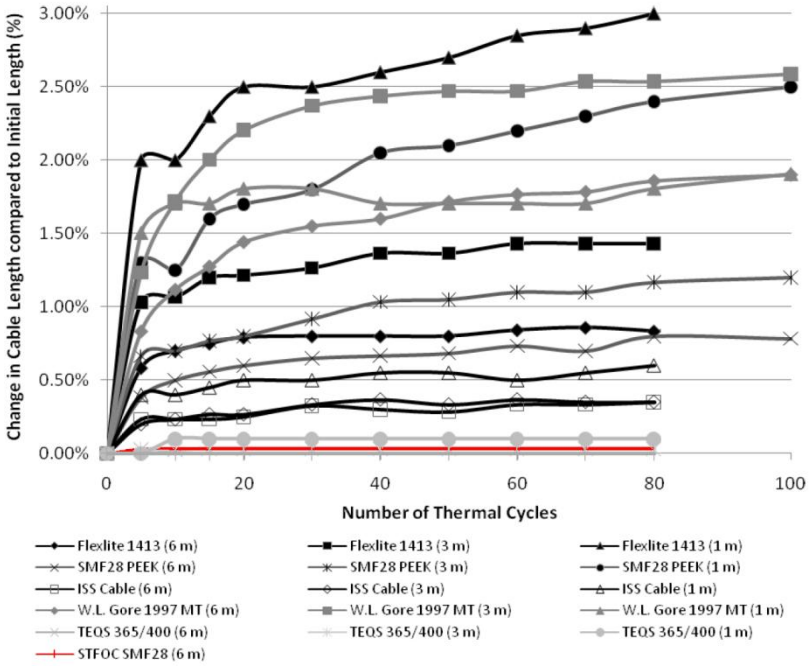


Linden's RadHard fiber optic cables provide a complete solution where a robust fiber optic link is needed in a harsh, high radiation environment. A wide variety of cable constructions are available to meet your specific requirements including our patented Non-Kink™ cable. Tested as per European Space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

Singlemode

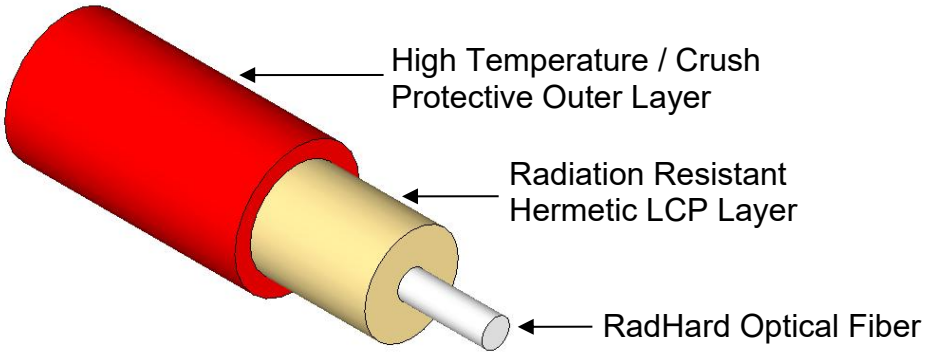
Spec No.	Part No.	Fiber Type	OD (mm)	Typical Connector Loss (dB)	Tensile Strength (lbs)
LINDEN-SPE-7079	1-M-A-27-J-65-YEL	RadHard Singlemode	1.65	<0.2dB	50
LINDEN-SPE-7208	1-M-A-27-J-79-YEL	RadHard Singlemode	2.0	<0.2dB	50
LINDEN-SPE-7209	1-M-A-27-J-87-YEL	RadHard Singlemode	2.2	<0.2dB	50
LINDEN-SPE-7068	1-EE-A-27-J-65	RadHard Polyimide	1.65	<0.2dB	45
LINDEN-SPE-7216	1-EE-A-27-J-79	RadHard Polyimide	2.0	<0.2dB	45
LINDEN-SPE-7217	1-EE-A-27-J-87	RadHard Polyimide	2.2	<0.2dB	45

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-ORN	RadHard MM (50/125)	.900	<0.2dB	50
LINDEN-SPE-7210	1-N-A-27-J-65-ORN	RadHard MM (50/125)	1.65	<0.2dB	50
LINDEN-SPE-7211	1-N-A-27-J-79-ORN	RadHard MM (50/125)	2.0	<0.2dB	50
LINDEN-SPE-7212	1-N-A-27-J-87-ORN	RadHard MM (50/125)	2.2	<0.2dB	50
LINDEN-SPE-7081	1-O-A-27-J-19-65	RadHard MM (62.5/125)	1.65	<0.2dB	50
LINDEN-SPE-7213	1-O-A-27-J-79-ORN	RadHard MM (62.5/125)	2.0	<0.2dB	50
LINDEN-SPE-7214	1-O-A-27-J-87-ORN	RadHard MM (62.5/125)	2.2	<0.2dB	50
LINDEN-SPE-7346	12-SM-O-U-114	RadHard MM (50/125)	2.9	<0.2dB	60

Singlemode & Multimode

Spec No.	Part No.	Fiber Type	OD (mm)	Typical Connector Loss (dB)	Tensile Strength (lbs)
LINDEN-SPE-7294	4-FO-U-102-O-122-J-137	Two (2) RadHard SM + Two (2) x RadHard MM	3.5	<0.2dB	250





Artemis Launch

CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



Linden Photonics, Inc.

1 Park Drive, Unit 8, Westford MA 01886
Phone: 978-392-7985
Email: info@LindenPhotonics.com
Web: www.LindenPhotonics.com