

RailSafe Non-Metallic Armored LSC Optical Cables

London Underground APR ID 1709

Datasheet: GD101057v7



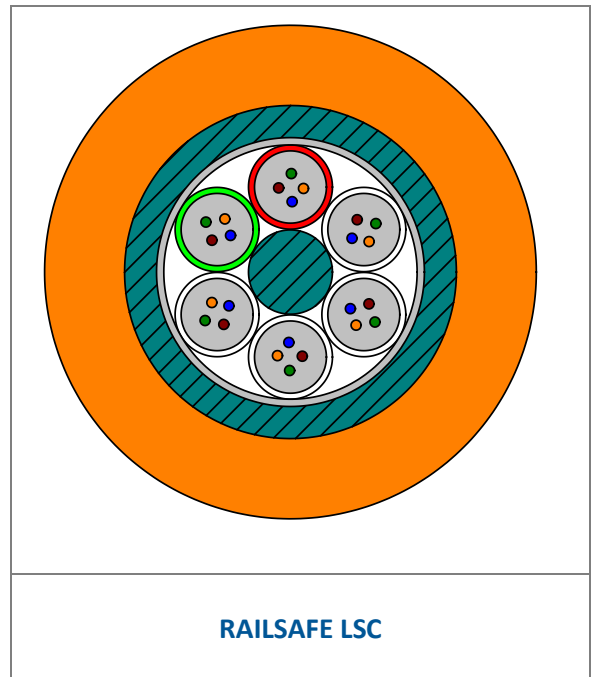
APPLICATION

A high performance optical fiber cable combining the benefits of water swell and non-metallic armor technology. The cables meet the stringent fire, smoke, and toxicity requirements of London Underground Standard 1-085. They are authorized for use by London Underground for installation in sub-surface locations and are listed in the Approved Product Register as ID 1709.

FEATURES AND BENEFITS

- Non-metallic RBG central strength member
- Layer of 6 stranded elements – 4, 8, or 12 fibers per tube plus solid fillers as necessary
- Dry-water blocked interstices
- Layer of water-blocking tape
- Water-blocking glass yarn armor/strength members
- Orange enhanced performance HFFR-LS* sheath
- Yellow sheath for single-mode fiber as per LUL 1-145
- Available in standard single-mode and multimode fiber types
- Included in the Leviton Limited 25-Year System Warranty when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractors

*Halogen-Free Flame-Retardant Low-Smoke



PERFORMANCE PARAMETERS

Max Tensile Load (IEC 60794-1-2-E1)	2700N
Max Crush Resistance (IEC 60794-1-2-E3)	3000N
Impact Resistance (IEC 60794-1-2-E4)	3Nm
Max Stiffness (IEC 60794-1-2-E17A)	3Nm ²
Min Bend Radius (IEC 60794-1-2-E11)	Static - 125mm
	Dynamic – 188mm

Operational Temperature (IEC 60794-1-2-F1)	-30°C to +60°C
Installation Temperature (IEC 60794-1-2-F1)	-30°C to +60°C
Storage Temperature (IEC 60794-1-2-F1)	-10°C to +60°C
Sheath Print Abrasion (IEC 60794-1-2-E2)	100 Cycles
Fire Performance (LUL 1-085) (IEC 60332-1-2)	Pass
	EuroClass Eca

PHYSICAL CHARACTERISTICS

Tube Diameter	Cable Diameter	Cable Weight
2.1mm	12.5mm	171 kg/km

FIBER IDENTIFICATION

Fiber Identifier	008	062	050	OM2	OM4
ITU/T	G.652.D	G.651.1	G651.1	G651.1	G651.1
IEC 11801	OS1/OS2	OM1	OM2	OM3	OM4
IEC 60793-2	50-B1.3	10-A1b	10-A1a.1	10-A1a.2	10-A1a.3

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PART NUMBERS

4 Fibers per Tube	8 Fibers per Tube	12 Fibers per Tube
RailSafe 4F 008 4FT LSC	RailSafe 8F 008 8FT LSC	RailSafe 12F 008 12FT LSC
RailSafe 8F 008 4FT LSC	RailSafe 16F 008 8FT LSC	RailSafe 24F 008 12FT LSC
RailSafe 12F 008 4FT LSC	RailSafe 24F 008 8FT LSC	RailSafe 36F 008 12FT LSC
RailSafe 16F 008 4FT LSC	RailSafe 32F 008 8FT LSC	RailSafe 48F 008 12FT LSC
RailSafe 20F 008 4FT LSC	RailSafe 40F 008 8FT LSC	RailSafe 60F 008 12FT LSC
RailSafe 24F 008 4FT LSC	RailSafe 48F 008 8FT LSC	RailSafe 72F 008 12FT LSC
RailSafe 4F 062 4FT LSC	RailSafe 8F 062 8FT LSC	RailSafe 12F 062 12FT LSC
RailSafe 8F 062 4FT LSC	RailSafe 16F 062 8FT LSC	RailSafe 24F 062 12FT LSC
RailSafe 12F 062 4FT LSC	RailSafe 24F 062 8FT LSC	RailSafe 36F 062 12FT LSC
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RailSafe 24F 062 4FT LSC	RailSafe 48F 062 8FT LSC	RailSafe 72F 062 12FT LSC
RailSafe 4F 050 4FT LSC	RailSafe 8F 050 8FT LSC	RailSafe 12F 050 12FT LSC
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RailSafe 24F 050 4FT LSC	RailSafe 48F 050 8FT LSC	RailSafe 72F 050 12FT LSC
RailSafe 4F OM3 4FT LSC	RailSafe 8F OM3 8FT LSC	RailSafe 12F OM3 12FT LSC
RailSafe 8F OM3 4FT LSC	RailSafe 16F OM3 8FT LSC	RailSafe 24F OM3 12FT LSC
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RailSafe 4F OM4 4FT LSC	RailSafe 8F OM4 8FT LSC	RailSafe 12F OM4 12FT LSC
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COUNTRY OF ORIGIN

COO: United Kingdom

*“Leviton is **dedicated to designing, developing, and manufacturing** sustainable **high performance** structured cabling and specialty **cabling solutions.**”*

The information contained in this document is valid and correct at the time of issue. Leviton reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.