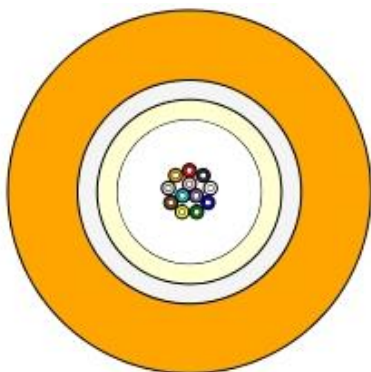


# RailSafe Unitube LSC Optical Cables

London Underground APR ID 3345

Datasheet: GD101720v4



PHYSICAL CHARACTERISTICS	
Tube Diameter	3.3mm
Cable Diameter	6.5mm
Cable Weight	47kg/km

APPROVALS	
London Underground	APR ID 3345

## DESCRIPTION

RailSafe Unitube LSC optical cables are designed to meet the stringent fire, smoke and toxicity requirements of London Underground Standard 1-085 for use in sub-surface rail applications with the benefits of water swellable yarns for basic rodent resistance and longitudinal water penetration resistance.

## DESIGN

- 4, 6, 8, 12, 16 or 24 fibres
- Water blocking glass yarns
- Enhanced performance HFFR-LS outer sheath coloured yellow for singlemode fibre and orange for multimode fibre

The cables are available in all standard singlemode and multimode fibre types.

PERFORMANCE PARAMETERS		
Maximum Tensile Load	750N	IEC 60794-1-2-E1
Minimum Bend Radius Static	65mm	IEC 60794-1-2-E11
Minimum Bend Radius Dynamic	98mm	IEC 60794-1-2-E11
Maximum Crush Resistance	2000N	IEC 60794-1-2-E3
Temperature Range Operational	-20°C to +60°C	IEC 60794-1-2-F1
Temperature Range Storage	-20°C to +60°C	IEC 60794-1-2-F1
Temperature Range Installation	-10°C to +60°C	IEC 60794-1-2-F1
Impact Resistance	5Nm	IEC 60794-1-2-E4
Torsion Resistance	5 cycles	IEC 60794-1-2-E7
Water penetration	<3m, 24h	IEC 60794-1-2-F5
Flammability	Pass	LUL 1-085, EN13501-6 Euroclass Eca
Smoke Emission	Pass	IEC 61034
Toxic Fume Emission	Pass	LUL 1-085

### brand-**rex** high performance cabling

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# RailSafe Unitube LSC Optical Cables

London Underground APR ID 3345

Datasheet: GD101720v4

**Brand-Rex** | a **LEVITON**  
company

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

PART NUMBERS		
4 Fibres	6 Fibres	8 Fibres
RailSafe 4F 008 UNI LSC-Eca	RailSafe 6F 008 UNI LSC-Eca	RailSafe 8F 008 UNI LSC-Eca
RailSafe 4F 062 UNI LSC-Eca	RailSafe 6F 062 UNI LSC-Eca	RailSafe 8F 062 UNI LSC-Eca
RailSafe 4F 050 UNI LSC-Eca	RailSafe 6F 050 UNI LSC-Eca	RailSafe 8F 050 UNI LSC-Eca
RailSafe 4F OM3 UNI LSC-Eca	RailSafe 6F OM3 UNI LSC-Eca	RailSafe 8F OM3 UNI LSC-Eca
RailSafe 4F OM4 UNI LSC-Eca	RailSafe 6F OM4 UNI LSC-Eca	RailSafe 8F OM4 UNI LSC-Eca
12 Fibres	16 Fibres	24 Fibres
RailSafe 12F 008 UNI LSC-Eca	RailSafe 16F 008 UNI LSC-Eca	RailSafe 24F 008 UNI LSC-Eca
RailSafe 12F 062 UNI LSC-Eca	RailSafe 16F 062 UNI LSC-Eca	RailSafe 24F 062 UNI LSC-Eca
RailSafe 12F 050 UNI LSC-Eca	RailSafe 16F 050 UNI LSC-Eca	RailSafe 24F 050 UNI LSC-Eca
RailSafe 12F OM3 UNI LSC-Eca	RailSafe 16F OM3 UNI LSC-Eca	RailSafe 24F OM3 UNI LSC-Eca
RailSafe 12F OM4 UNI LSC-Eca	RailSafe 16F OM4 UNI LSC-Eca	RailSafe 24F OM4 UNI LSC-Eca

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