

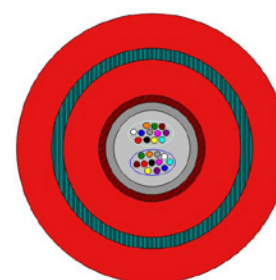
PERFORMANCE PARAMETERS

Description	Performance	Standard
Maximum Tensile Load	1000N	IEC 60794-1-2-E1
Minimum Bend Radius Static	134mm	IEC 60794-1-2-E11
Minimum Bend Radius Dynamic	201mm	IEC 60794-1-2-E11
Maximum Crush Resistance	2500N	IEC 60794-1-2-E3
Temperature (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	30Nm	IEC 60794-1-2-E4
Torsion Resistance	1 turn/m	IEC 60794-1-2-E7
Water penetration	<3m, 24h	IEC 60794-1-2-F5
Fire Performance	Pass	LUL 1-085
Fire Resistance	Pass	IEC 60331-25
	Pass	BS EN 50200 PH120
	Pass	BS 8434-2

Product Part Number Format

RailSafe **aaF bbb** FR LSC

aa = Fibres per Tube	bbb = Fibre Type
4	OS1/OS2 = 008
6	62.5/125 = 062
8	50/125 = 050
12	OM3 = OM3
16	OM4 = OM4
24	



- 4, 6, 8, 12, 16 or 24 fibres per gel filled tube
- Layers of fire resistant tapes
- Water blocking glass yarn
- Red enhanced performance LSHF inner and outer sheaths
- Corrugated steel tape armour

APPROVALS

London Underground: ID 2163
 Network Rail: PA05/05106

PRODUCT DESCRIPTION

A high performance Fire Resistant Low Smoke Halogen Free (LSHF) metallic armoured optical fibre cable. The cables meet specific fire, smoke and toxicity requirements of the rail providers, together with the IEC, BS EN and BS standards for fire survival. They are authorised for use in sub-surface rail applications.

Cables are available in all standard singlemode and multimode fibre types.

PHYSICAL CHARACTERISTICS

Tube Diameter: 4.0mm
 Cable Diameter: 13.4mm
 Cable Weight: 210kg/km