



PERFORMANCE PARAMETERS

Description	Performance	Standard
Maximum Tensile Load	2700N	IEC 60794-1-2-E1
Minimum Bend Radius Static	212mm	IEC 60794-1-2-E11
Minimum Bend Radius Dynamic	318mm	IEC 60794-1-2-E11
Maximum Crush Resistance	3000N	IEC 60794-1-2-E3
Temperature (Operational)	-30°C to +60°C	IEC 60794-1-2-F1
Temperature Range Storage	-30°C to +60°C	IEC 60794-1-2-F1
Temperature Range Installation	-10°C to +60°C	IEC 60794-1-2-F1
Impact Resistance	3Nm	IEC 60794-1-2-E4
Sheath Print Abrasion	100 cycles	IEC 60794-1-2-E2
Maximum Stiffness	3Nm ²	IEC 60794-1-2-E17A
Fire Performance	Pass	LUL 1-085

- Non-metallic central strength member
- Layer of 12 stranded elements – 8 or 12 fibres per tube, plus solid fillers as necessary.
- Dry water blocked interstices
- Layer of water blocking tape
- Water blocking glass yarn armour/strength members
- Layer of fire barrier tapes
- Orange enhanced performance LSHF sheath

APPROVALS

London Underground: 1708

PRODUCT DESCRIPTION

A high performance Fire Resistant Low Smoke Halogen Free (LSHF) optical fibre cable combining the benefits of water swell and non-metallic armour technology. The cables meet the specific fire, smoke and toxicity requirements for use in subsurface rail applications.

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

PHYSICAL CHARACTERISTICS

Tube Diameter: 2.1mm
 Cable Diameter: 121.2mm
 Cable Weight: 480kg/km

Product Part Number Format

RailSafe **aaaF bbb ccFT LSC**

aaa = Fibre Count		bbb = Fibre Type	cc = Fibres per Tube
8 Fibres per Tube	72 80 88 96	OS1/OS2 = 008 62.5/125 = 062 50/125 = 050 OM3 = OM3 OM4 = OM4	8 12
12 Fibres per Tube	108 120 132 144		