



**ELAND<sup>®</sup>  
CABLES**

# LFH Concentric Signalling Screened SE1047 Type 4 Cable (London Underground)



## APPLICATION

This safety critical range of signalling cables are used between the signalling central termination frame and vital signalling equipment.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U  
0.6/1kV

**Temperature Rating**  
-15°C to +85°C

**Minimum Bending Radius**  
6 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 1 Solid tinned copper conductor

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Concentric Return Conductor**  
Tinned copper spiral screen

**Inner Sheath**  
PE (Polyethylene)

**Screen**  
TCWB (Tinned Copper Wire Braid)

**Outer Sheath**  
LFH (Limited Fire Hazard)

**Core Identification**  
● Black with numbers

**Sheath Colour**  
● Red

## CABLE THIRD-PARTY ACCREDITATION



London Underground Limited (LUL) certified and listed on the Approved Products Register as meeting the requirements for installation within their network

## STANDARDS

SE 1047, LUL

## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





## DIMENSIONS

ELAND PART NO.	NO. OF UNITS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NO. OF STRANDS IN CONDUCTORS	NOMINAL DIAMETER OF STRANDS IN CONDUCTOR mm	MAXIMUM DC RESISTANCE OF CONDUCTOR & COCENTRIC RETURN CONDUCTOR AT 20°C ohms/km	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
SE1047T4-1C	1	1.85	1	1.53	11/9.66	11	184
SE1047T4-3C	3	1.85	1	1.53	11/9.66	18.6	487
SE1047T4-7C	7	1.85	1	1.53	11/9.66	24.1	875
SE1047T4-19C	19	1.85	1	1.53	11/9.66	37.2	2120

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.