

LFH Concentric Signalling SE1047 Type 2 Cable (London Underground)



Eland Product Group:

APPLICATION

LSZH railway signalling cable for use in trackside bracket runs.

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)

CABLE STANDARDS

SE1047

1-085 (Emissions and Flame Propagation)

LUL Approved



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

600/1000V

Temperature Rating

-15°C to +85°C

Minimum Bending Radius

6 x overall diameter

Core Identification

● Black with numbers

Sheath Colour

● Red

DIMENSIONS

| ELAND PART NO. | NO. OF UNITS | NOMINAL CROSS SECTIONAL AREA mm ² | NO. OF STRANDS IN CONDUCTOR | NOMINAL DIAMETER OF STRANDS IN CONDUCTOR mm | MAXIMUM DC RESISTANCE OF CONDUCTOR & CONCENTRIC CONDUCTOR AT 20°C ohms/km | MINIMUM NO. OF WIRES IN CONCENTRIC RETURN CONDUCTOR | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|-----------------------------|--|---|---|--------------------------------|-------------------------|
| SE1047T2-1C | 1 | 1.85 | 1 | 1.53 | 11/9.66 | 33 | 10.3 | 140 |
| SE1047T2-3C | 3 | 1.85 | 1 | 1.53 | 11/9.66 | 33 | 17.1 | 361 |
| SE1047T2-7C | 7 | 1.85 | 1 | 1.53 | 11/9.66 | 33 | 22.1 | 612 |
| SE1047T2-19C | 19 | 1.85 | 1 | 1.53 | 11/9.66 | 33 | 33.8 | 1429 |

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.