



LFH Rolling Stock Part 6 Type VII Cable (London Underground)



APPLICATION

Standard wall multi-core cable with enhanced sheath for use in rolling stock.

CHARACTERISTICS

Voltage Rating U_o/U
30/50V

Temperature Rating
-30°C to +85°C

Minimum Bending Radius
10mm to 25mm: 4 x overall diameter
>25mm: 6 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible tinned copper conductor (Type V cores)

Insulation
LFH (Limited Fire Hazard)

Binder Tape
Individually and overall proofed tape

Sheath
LFH (Limited Fire Hazard)

Core Identification
● Violet

Sheath Colour
● Black with ● Yellow Stripe

DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | NO. OF STRANDS | NOMINAL DIAMETER OF STRANDS mm | MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|-----------------|--------------|--|----------------|--------------------------------|--|-----------------------------|----------------------|
| LULP6TVII12X1 | 12 | 1 | 32 | 0.2 | 20 | 20.25 | 309 |
| LULP6TVII42X1.5 | 42 | 1.5 | 30 | 0.25 | 13.7 | 38.35 | 1661 |

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.

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

RSE/STD/024 Part 6 Type VII

Flame Propagation according to 1-085

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 Low Voltage Directive 2014/35/EU and 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™.

