

# LFH Rolling Stock Part 6 Type VIII Cable (London Underground)



## APPLICATION

Standard wall pair and multi-pair cable with standard or enhanced sheath for use in rolling stock.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U  
 30/50V

**Temperature Rating**  
 -30°C to +85°C

**Minimum Bending Radius**  
 6 x overall diameter

## CONSTRUCTION

**Conductor**  
 Class 5 Flexible tinned copper conductor (Type V cores)

**Insulation**  
 LFH (Limited Fire Hazard)

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

**Drain Wire**  
 Tinned Copper

**Sheath**  
 LFH (Limited Fire Hazard)

**Core Identification**  
 ● Blue ● Brown

**Sheath Colour**  
 ● Black

## DIMENSIONS

| ELAND PART NO.   | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup> | 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 |
|------------------|--------------|--|----------------|--------------------------------|--|-----------------------------|----------------------|
| LULP6TVIII1P0.5  | 1            | 0.5  | 16             | 0.2                            | 40.1   | 8.45                        | 99                   |
| LULP6TVIII1P0.75 | 1            | 0.75   | 24             | 0.2                            | 26.7   | 9.2                         | 110                  |
| LULP6TVIII1P1    | 1            | 1  | 32             | 0.2                            | 20   | 9.5                         | 139                  |
| LULP6TVIII1P1    | 1            | 1  | 32             | 0.2                            | 20   | 11.5                        | 199                  |
| LULP6TVIII1P1    | 1            | 1  | 32             | 0.2                            | 20   | 15.5                        | 306                  |
| LULP6TVIII2P1    | 2            | 1  | 32             | 0.2                            | 20   | 15.7                        | 443                  |
| LULP6TVIII3P1    | 3            | 1  | 32             | 0.2                            | 20   | 21.3                        | 565                  |

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 VIII

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™.

