

# LFH Cables to RSE/STD/024 for LUL



This section covers LFH cables for power, control, instrumentation and communication use on LUL rolling stock.

## Benefits of RSE/STD/024 Cables

- High performance LFH insulation meeting specific electrical, mechanical and fireperformance properties.
- Service life in excess of 100,000 hours at 85°C.
- Easily stripped using conventional tooling.
- Resistance over a wide range of temperatures to:
  - abrasion
  - cut-through
  - impact
  - notch propagation
- Excellent resistance to:
  - fluids
  - ozone
  - weathering
- Non-halogenated.
- Flame retardant.
- Very low smoke emission.
- Negligible corrosive fume emission.
- Stable electrical properties.
- High level of voltage withstand.
- High insulation resistance.
- Excellent resistance to surface and arc tracking.

RSE/STD/024 supersedes LUL specifications RME516 and RME704.

# Cables to RSE/STD/024 Issue 6



## Type 1

Single core, tinned copper **concentric** conductor, reduced wall LFH insulation (red).  
Nominal voltage to earth 600V a.c./1000 d.c.

## Type 2

Single core, tinned **non-concentric** conductor, standard wall LFH insulation (red).  
Nominal voltage to earth 600V a.c./1000 d.c.

## Type 3

Single core, tinned copper **non-concentric** conductor, enhanced wall LFH insulation (red).  
Nominal voltage to earth 600V a.c./1000 d.c.

## Type 4

Single core, tinned copper **concentric** conductor, reduced wall LFH insulation (violet)\*.  
Nominal voltage to earth 30V a.c./50V d.c.

## Type 5

Single core, tinned copper **non-concentric** conductor, standard wall LFH insulation (violet)\*.  
Nominal voltage to earth 30V a.c./50V d.c.

## Type 6

Multi-core, tinned copper **non-concentric** conductor, standard wall LFH insulation, enhanced wall LFH outer sheath (black).  
Nominal voltage to earth 600V a.c./1000V d.c.  
Core identification: cores will be number printed, in a contrasting colour, on red LFH insulation.  
N.B. Cores are Type 2 cables.

## Type 7

Multi-core, tinned copper **non-concentric** conductor, standard wall LFH insulation, enhanced wall LFH outer sheath (black).  
Nominal voltage to earth 30V a.c./50V d.c.  
Core identification: cores will be number printed, in a contrasting colour, on violet LFH insulation.  
N.B. Cores are Type 5 cables.

## Type 8

Single and multipair, tinned copper **non-concentric** conductor, standard wall LFH insulation, individually screened with drain wire in contact with tinned copper wire braid, standard or enhanced wall LFH outer sheath (black).  
Nominal voltage to earth 30V a.c./50V d.c.  
Pair identification: pairs shall contain one blue and one brown core.  
N.B. Cores are Type 5 cables.

## Type 9

Single and multipair, tinned copper **concentric** conductor, reduced wall LFH insulation, individually screened with drain wire in contact with tinned copper wire braid, standard wall LFH outer sheath.  
Nominal voltage to earth 30V a.c./50V d.c.  
Pair identification: pairs shall contain one blue and one brown core.  
N.B. Cores are Type 4 cables.

\*Where specified for a safety circuit, insulation shall be yellow

Anixter also stock a complete range of accessories for the cables featured in this section. More details are available on request.