



**APPROVALS**

Network Rail: PA05/05106

**PRODUCT DESCRIPTION**

Brand-Rex Cat6 U/UTP LSC communication cable 100 Ohm 4 x 2 x AWG 23/1 is a premium grade Class E Category 6 cable. It exceeds the Category 6 performance standards and is rated to 250MHz. It is suitable for use in all structured wiring cabling systems up to and including Class E and is able to support gigabit Ethernet protocol for installation. The cable meets the specific fire, smoke and toxicity requirements for use in subsurface rail applications.

**PRODUCT PERFORMANCE**

Conductor: 23 AWG Solid Copper  
 Insulation: Solid Polyethylene  
 Cable: 4 of the above pairs  
 Sheath: Enhanced LSHF compound  
 Diameter: 6.55mm

**Mechanical and Environmental**

Temp - Installation: 0°C to +50°C  
 Temp - Operation: -20°C to +75°C  
 Max Tensile Load: 10kg per simplex cable  
 Mini Bend Radius: 8 x Outer Diameter (installation)  
 4 x Outer Diameter (operation)

**Network Applications**

Supports Class D and E applications as defined in ISO11801:2002

**Electrical Specification and Performance**

The cables are designed and manufactured to conform to the requirements of the structured wiring cabling standards IEC 61156-5, EN 50288-6-1 and TIA 568C.

**Fire performance**

IEC 60332-1-2  
 IEC 60332-3-24  
 IEC 61034  
 IEC 60754-2

Part Number	Length (m)	Weight (kg/km)	Reel Size Flange x Width	Weight (kg/reel)	Reels per Euro pallet
RailSafe Cat6 U/UTP LSC	500	53.3	400 x 390	29.2	12