



**Caledonian**

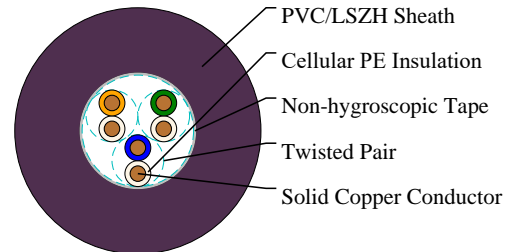
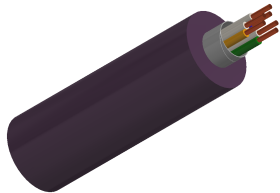
Railway Cables

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## G7621 Trackside Communications Cables

RS7621A2/T1-02YY-3P0.9



### APPLICATIONS

The cables are designed for installation in trackside bracket runs and for use in open locations (type1) or in tunnels or underground locations (type2).

### STANDARDS

LUL Spec G7621 A2 type 1 (for PVC sheath)

LUL Spec G7621 A2 type 2 (for LSZH sheath)

### VOLTAGE RATING

750V DC/450V AC

### CABLE CONSTRUCTION

Conductors: Solid plain copper.

Insulation: Cellular polyethylene.

Cabling Element: Two insulated conductors are twisted together to form a pair.

Core Wrapping: Non-hygroscopic plastic tape with overlapping.

Outer sheath: PVC/LSZH sheath, coloured violet.

### COLOUR CODE

3 Pair Cable: Blue/White Orange/White Green/White

### PHYSICAL AND THERMAL PROPERTIES

Bending Radius: 7.5xOD

Temperature Range: -30°C to +70°C (during operation); -10°C +55°C (during installation)

### Electrical Properties

Electrical Characteristics at 20°C:

Nominal Conductor Diameter: 0.9 mm

Maximum Conductor Resistance:

Average value: 28 Ω/km

Individual value: 29 Ω/km

Minimum Insulation Resistance @500 V DC: 1500 MΩ.km



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Maximum Average Mutual Capacitance:59 nF/km

Maximum Average Capacitance Unbalance

Pair to pair:100 pF/460m

Pair to earth:1200 pF/460m

### DIMENSION AND PARAMETERS

No. of Pairs	Conductor Diameter	Nominal Diameter over Insulation	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm	mm	mm	mm	kg/km
3	0.9	1.5	2.5	10	120



Buried in Ground



Laid In Ducts



Mineral Oil Resistant



Rated voltage