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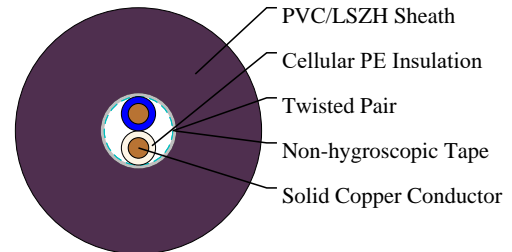
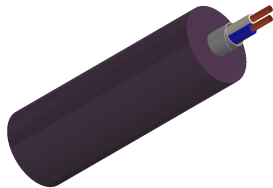
Railway Cables

www.caledonian-cables.com

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G7621 Trackside Communications Cables

RS7621A2/T1-02YY-1P0.9



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
1	0.9	1.5	2.5	8	70



Buried in Ground



Laid In Ducts



Mineral Oil Resistant



Rated voltage