



# Caledonian

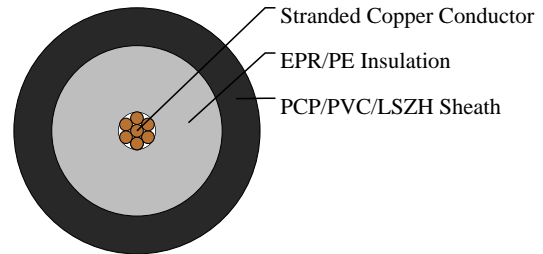
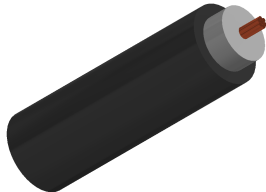
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## Inductive Loop Cable

RS/2029-2YY-1C2.5S



## APPLICATIONS

The cables are designed for installation between railway running rails and they provide communications between trains and trackside equipments.

## STANDARDS

TR2029

## VOLTAGE RATING

750V DC/450V AC

## CABLE CONSTRUCTION

Conductors: Stranded copper conductor.

Insulation: EPR/PE.

Sheath: PCP/PVC/LSZH.

## PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6 x OD (static); 15 x OD (dynamic)

Temperature Range: -20°C to +85°C

## Electrical Properties

Electrical Characteristics at 20°C:

Nominal Conductor Cross Section: 2.5 mm<sup>2</sup>

Maximum Conductor Resistance: 7.41Ω/km

Minimum Insulation Resistance: 5000 MΩ.km

Capacitance to Earth @1KHz: 0.1 pF/km

## DIMENSION AND PARAMETERS

No. of Pairs	Nominal Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm <sup>2</sup>	no./mm	mm	mm	mm	kg/km



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## Railway Cables

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1	2.5	7/0.67	3.5	2	13	183
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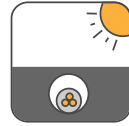
Buried in Ground



Fire Retardant  
NF C32-070-2.2(C1)  
IEC60332-3-24/EN50266-2-4



Flame Retardant  
NF C32-070-2.1(C2)  
IEC60332-1-2/EN50265-2-1



Laid In Ducts



Low Corrosivity  
IEC60754-2/EN50267-2-2/3  
NF C32-074/NF C20-453



Low Smoke Emission  
IEC 61034-2 / EN 50268-2  
NF C32-073/NF C 20-902



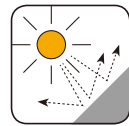
Low Toxicity



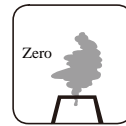
Mineral Oil Resistant



Rated voltage



UV Resistant



Zero Halogen  
IEC 60754-1/EN 50267-2-1  
NF C20-454