



Caledonian

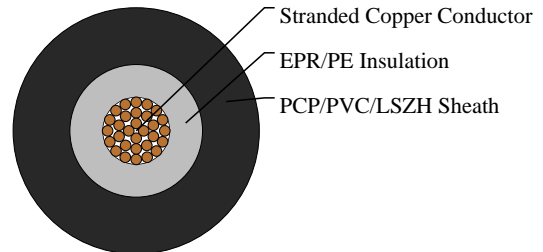
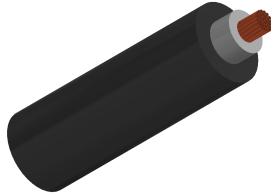
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Inductive Loop Cable

RS/2029-3G5G-1C1.5S



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: 1.5 mm²

Maximum Conductor Resistance: 13.7 Ω/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 ²	no./mm	mm	mm	mm	kg/km



Caledonian

Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

1	1.5	30/0.25	0.8	1.4	6.6	70
---	-----	---------	-----	-----	-----	----



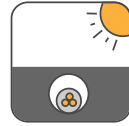
Buried in Ground



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



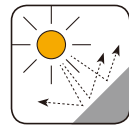
Low Toxicity



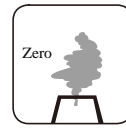
Mineral Oil Resistant



Rated voltage



UV Resistant



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