#### Caledo Cables wav ledonian-cables.co.uk www.ca

# **Inductive Loop Cable**

## **▶** Application

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

### Standards

• TR2029

### **Solution**

- Conductors: Stranded copper conductor.
- Insulation: EPR/PE.
- Sheath: PCP/PVC/LSZH.



# EPR/PE Insulation Stranded Copper Conductor PCP/PVC/LSZH Sheath

# Electrical Characteristics at 20°C

Nominal Conductor Cross Section	mm²	1.5	2.5
Maximum Conductor Resistance	Ω/km	13.7	7.41
Minimum Insulation Resistance	MΩ.km	5000	5000
Capacitance to Earth @1KHz	pF/km	0.1	0.1

## Mechanical and Thermal Properties

- Minimum Bending Radius: 6×OD (static);
- 15×OD (dynamic)
  - Temperature Range: -20°C to +85°C

Dimensions and Weight











**UV Resistant** 

Mineral Oil Resistant

Rated voltage Buried in Ciround Laid In Ducts

Cable Code	No. of cores& Nominal Conductor Cross Sectional Area No.×mm <sup>2</sup>	No. & Nominal Diameter of Strands No/mm	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RS2029-3G5G-1G1.5	1×1.5	30/0.25	0.8	1.4	6.6	70
RS2029-2YY-1G2.5	1×2.5	7/0.67	3.5	2.0	13	183
RS2029-2YH-1G2.5	1×2.5	7/0.67	0.7	4.5	13	219









Zero Halogen

IEC 60754-1/NF C20-454

EN 50267-2-1



Low Smoke Emission

IEC 61034/NFC20-902

EN 50268/NF C32-073



Low Corrosivity Low Toxicity EN 50267-2-2/NF C32-074 IEC 60754-2/NF C20-453