



# Caledonian

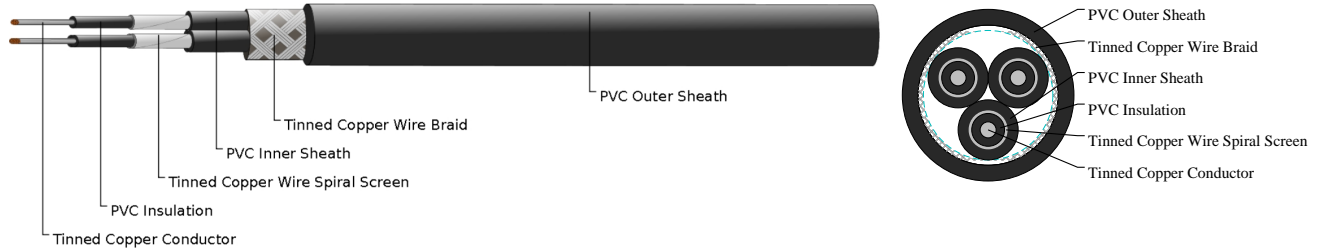
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## Concentric Signalling Cables to SE1047

SE 1047 Type 3 Concentric Signalling Screened PVC Sheathed Cables  
RF1047-VC4VC4V-450/750V-3G1.85S



## APPLICATIONS

The mission critical signalling cables are used between central signalling terminations frame and vital signalling equipments.

## STANDARDS

SE1047

UNE 21031

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

Conductors: Solid tinned copper conductors.

Insulation: PVC.

Screen: TCW (Tinned Copper Wire) spiral screen.

Inner Sheath: PVC.

Screen: Tinned Copper Wire Braid.

Outer Sheath: PVC.

## PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 7.5xOD

Temperature Range: -25°C to +85°C (during operation); -10°C to +70°C (during installation)

## Electrical Properties

Electrical Characteristics at 20°C:

Maximum DC Conductor Resistance: 11 Ω/km

Maximum DC Screen Resistance: 9.66 Ω/km

## DIMENSION AND PARAMETERS

| No. of Cores ×<br>Cross-sectional Area | No./Nominal<br>Diameter of Strands | Nominal Insulation<br>Thickness | Nom. Overall<br>Diameter | Approx. Weight |
|--|------------------------------------|---------------------------------|--------------------------|----------------|
|--|------------------------------------|---------------------------------|--------------------------|----------------|



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| No. x mm <sup>2</sup> | no./mm | mm  | mm   | kg/km |
|-----------------------|--------|-----|------|-------|
| 3 x 1.85              | 1/1.53 | 0.8 | 19.9 | 561   |



Fire Retardant  
NF C32-070-2.2(C1)  
IEC 60332-3-24/EN 50266-3.4



Flame Retardant  
NF C32-070-2.1(C2)  
IEC 60332-1-2/EN 50265-2-1



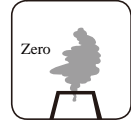
Low Corrosivity  
IEC 60754-2/EN 50267-2-2/3  
NF C32-074/NF C20-453



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



Low Toxicity



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