



# Caledonian

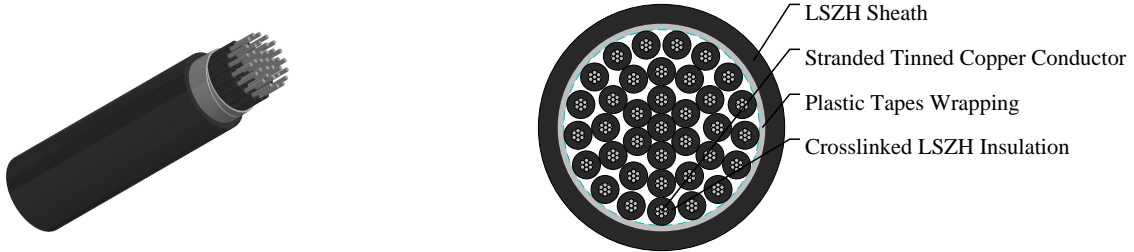
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## TYPE A3 Railway Signalling Cable

Type A3(with sheath)  
RS/A3-3GH-36C0.75S



## APPLICATIONS

The cables are designed for railway signalling systems. The cables are suitable for use in d.c. circuits where the nominal voltage to earth does not exceed 1100 volts and are suitable for installation in ducts.

## STANDARDS

NR/PS/SIG/00005(formerly RT/E/PS/00005)

## VOLTAGE RATING

0.65/1.1 KV

## CABLE CONSTRUCTION

Conductors: Tinned stranded copper, class 2 according to IEC 60228 & BS6360

Insulation: LSZH crosslinked

Wrapping: Plastic tape(s) with overlapping

Sheath: LSZH

## PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6xOD (static); 15xOD (dynamic)

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

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-sectional<br>Area | No./Nominal<br>Diameter<br>of Strands | Nominal<br>Insulation<br>Thickness | Nominal<br>Sheath<br>Thickness | Overall<br>Diameter<br>(min.) | Overall<br>Diameter<br>(max.) | Approx.<br>Weight | max.<br>conductor<br>resistance |
|---|---------------------------------------|------------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------|---------------------------------|
| No.×mm <sup>2</sup>                       | no./mm                                | mm                                 | mm                             | mm                            | mm                            | kg/km             | Ω/km                            |
| 36x0.75                                   | 7/0.37                                | 0.85                               | 1.6                            | 21.6                          | 26.9                          | 752               | 24.8                            |



# Caledonian

## Railway Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)



Fire Retardant  
NF C32-070-2.2(C1)  
IEC 60332-3-2.4/EN 50266-2.4



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



Highly Flexible



Impact Resistant



Laid In Ducts



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



Oil Resistant



Rated voltage



Water Resistant



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