

## TYPE C3 Railway Signalling Cable

### 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 installation in ducts.

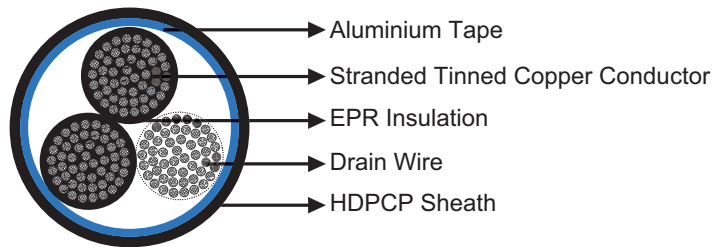


### Standard

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

### Construction

- Conductors: Tinned stranded copper, class 5 according to IEC 60228 & BS 6360.
- Insulation: EPR Type GP4 to BS 7655.
- Screen: Aluminium tape.
- Drain Wire: 2.5 mm<sup>2</sup> flexible tinned copper.
- Sheath: HDPCP Type RS2 to BS 7655.



### Electrical Characteristics at 20°C

|                                 |                 |          |
|---------------------------------|-----------------|----------|
| Nominal Conductor Cross Section | mm <sup>2</sup> | 2.5      |
| Maximum DC Conductor Resistance | Ω/km            | 8.21     |
| Minimum Noise Reduction         | dB              | 60       |
| Voltage Rating                  | KV              | 0.65/1.1 |
| Nominal Insulation Thickness    | mm              | 1.05     |

### Mechanical and Thermal Properties

- Minimum Bending Radius: 6×OD (static); 15×OD (dynamic)
- Temperature Range: -25°C to +85°C (during operation);  
-10°C to +85°C (during installation)



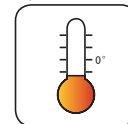
Impact Resistant



Highly Flexible



Oil Resistant



Weather Resistant



Rated Voltage



Laid In Ducts

### Dimensions and Weight

| Cable Code            | No. of cores & Nominal Conductor Cross Sectional Area No. × mm <sup>2</sup> | No. & Nominal Diameter of Strands No./mm | Nominal Sheath Thickness mm | Overall Diameter Min/Max mm | Nominal Weight kg/km |
|-----------------------|---|--|-----------------------------|-----------------------------|----------------------|
| Type C3               |   |  |                             |                             |                      |
| RS/C3-3G(St)5G-1P2.5S | 1×2×2.5   | 50/0.25                                  | 3.8                         | 15.0/20.0                   | 390                  |

Routine test voltage: 2.5kV for 5 minutes