# **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	mm²	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

No. & Nominal

### 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)

No. of cores& Nominal

### **Dimensions and Weight**

Cable Code	Sectional Area No.×mm <sup>2</sup>	Strands No/mm	Thickness mm	Min/Max mm	
Туре С3					
RS/C3-3G(St)5G-1P2.5S	1×2×2.5	50/0.25	3.8	15.0/20.0	
Douting tost valtage: 2 Ek/	for E minutoo				

Routine test voltage: 2.5kV for 5 minutes



#### Aluminium Tape Stranded Tinned Copper Conductor EPR Insulation Drain Wire HDPCP Sheath





Impact Resistant

Nominal



**Highly Flexible** 

650/1100V

Overall









Nominal Weight kg/km

390

V///////



