



TYPE C1 & C2 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.

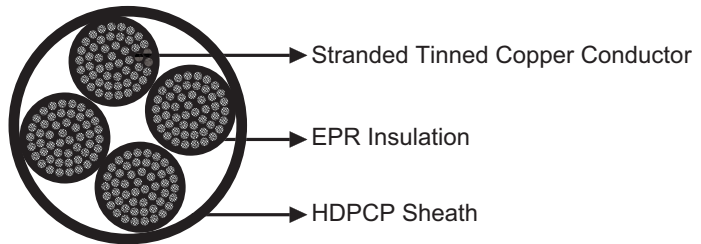


Standard

- 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.
- Core Wrapping: Plastic tape(s) with overlapping.
- Sheath: HDPCP Type RS2 to BS 7655.



Electrical Characteristics at 20°C

Nominal Conductor Cross Section	mm ²	2.5
Maximum DC Conductor Resistance	Ω/km	8.21
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)



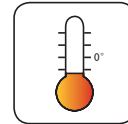
Impact Resistant



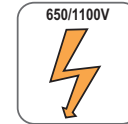
Highly Flexible



Oil Resistant



Weather Resistant



Rated Voltage



Laid In Ducts

Dimensions and Weight

Cable Code	No. of cores & Nominal Conductor Cross Sectional Area No. × mm ²	No. & Nominal Diameter of Strands No./mm	Nominal Sheath Thickness mm	Overall Diameter Min/Max mm	Nominal Weight kg/km
Type C1					
RS/C1-3G5G-1G2.5	1×2.5	50/0.25	3.8	11.2/14.0	195
Type C2					
RS/C2-3G5G-2G2.5	2×2.5	50/0.25	3.8	14.9/18.8	370
RS/C2-3G5G-4G2.5	4×2.5	50/0.25	3.8	16.4/20.9	460
RS/C2-3G5G-7G2.5	7×2.5	50/0.25	3.8	18.7/23.7	610
RS/C2-3G5G-10G2.5	10×2.5	50/0.25	3.8	22.5/28.6	920
RS/C2-3G5G-12G2.5	12×2.5	50/0.25	3.8	23.2/29.3	950
RS/C2-3G5G-16G2.5	16×2.5	50/0.25	3.8	25.3/32.0	1180

Routine test voltage: 2.5kV for 5 minute