



TYPE E3 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.

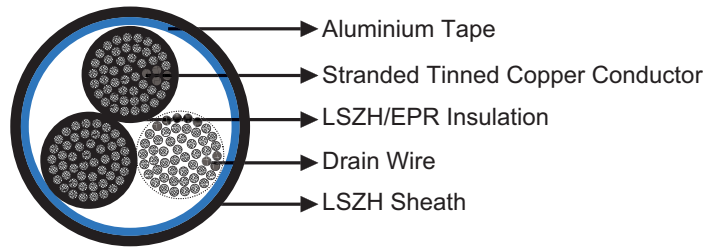


Standards

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

Construction

- Conductor: Tinned stranded copper, according to IEC 60228 class 5& BS 6360.
- Insulation: LSZH or EPR Type GP4 to BS 7655.
- Screen: Aluminium tape.
- Drain Wire: 2.5 mm² flexible tinned copper.
- Sheath: LSZH.



Electrical Characteristics at 20°C

Nominal Conductor Cross Section	mm ²	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)



➤ **Dimensions and Weight**

Cable Code	No. of cores & Nominal Conductor Cross Sectional Area No. x mm ²	No. & Nominal Diameter of Strands No/mm	Nominal Sheath Thickness mm	Overall Diameter Min/Max mm	Nominal Weight kg/km
Type E3					
RS/E3-3G(St)H-1P2.5S	1 x 2 x 2.5	50/0.25	3.8	15.0/20.0	410

Routine test voltage: 2.5kV for 5 minutes

					
Impact Resistant	Highly Flexible	Oil Resistant	Weather Resistant	Rated Voltage	Laid In Ducts
					
Flame Retardant NF C32-070-2.1(C2) IEC 60332-1/EN 50265-2-1	Fire Retardant NF C32-070-2.2(C1) IEC 60332-3/EN50266	Zero Halogen IEC 60754-1/NF C20-454 EN 50267-2-1	Low Smoke Emission IEC 61034/NFC20-902 EN 50268/NF C32-073	Low Corrosivity EN 50267-2-2/NF C32-074 IEC 60754-2/NF C20-453	Low Toxicity

