

# TECHNICAL DATASHEET – R31

## Low Smoke Zero Halogen Railway Signalling



**Specification** RT/E/PS/00005 Type E2  
**Voltage Rating** 0.65/1.1 kV  
**Description** Flexible tinned copper conductors,  
EPR insulation, cores laid up, LSZH sheath

| No. of cores &<br>Nominal Cross Sectional<br>Area of Conductor | No. & Nominal<br>Diameter of Strands | Maximum DC<br>Conductor Resistance<br>@ 20°C | Nominal Overall Diameter | Nominal Weight |
|----------------------------------------------------------------|--------------------------------------|----------------------------------------------|--------------------------|----------------|
| no x mm <sup>2</sup>                                           | no/mm                                | Ω/Km                                         | mm                       | Kg/Km          |
| 2 x 2.50                                                       | 50/0.25                              | 8.21                                         | 16.40                    | 314.00         |
| 4 x 2.50                                                       | 50/0.25                              | 8.21                                         | 17.90                    | 425.00         |
| 7 x 2.50                                                       | 50/0.25                              | 8.21                                         | 20.60                    | 584.00         |
| 10 x 2.50                                                      | 50/0.25                              | 8.21                                         | 24.00                    | 712.00         |
| 12 x 2.50                                                      | 50/0.25                              | 8.21                                         | 25.50                    | 748.00         |

### General Note

AEI Cables reserves the right to amend the product information without notice or liability.  
The information is considered accurate at the time of going to print.



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# TECHNICAL DATASHEET – R31

## Low Smoke Zero Halogen Railway Signalling



**Specification** RT/E/PS/00005 Type E3  
**Voltage Rating** 0.65/1.1 kV  
**Description** Flexible tinned copper conductors,  
EPR insulation, cores laid up, TCDW,  
Collective screen, LSZH sheath

| No. of cores &<br>Nominal Cross Sectional<br>Area of Conductor | No. & Nominal<br>Diameter of Strands | Maximum DC<br>Conductor Resistance<br>@ 20°C | Nominal Overall Diameter | Nominal Weight |
|----------------------------------------------------------------|--------------------------------------|----------------------------------------------|--------------------------|----------------|
| no x mm <sup>2</sup>                                           | no/mm                                | Ω/Km                                         | mm                       | Kg/Km          |
| 2 x 2.50                                                       | 50/0.25                              | 8.21                                         | 15.60                    | 341.00         |

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