

# TECHNICAL DATASHEET – R28

## Railway Signalling



**Specification** RT/E/PS/00005 Type B1  
**Voltage Rating** 0.65/1.1 kV  
**Description** Stranded tinned copper conductors,  
EPR insulation, cores laid up, PCP 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          |
| 1 x 10.00                                                      | 7/1.35                               | 1.84                                         | 10.35                    | 189.00         |
| 1 x 35.00                                                      | 19/1.53                              | 0.529                                        | 14.60                    | 495.00         |

### 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.



**WWW.CABLEJOINTS.CO.UK**  
**THORNE & DERRICK UK**  
**TEL 0044 191 490 1547 FAX 0044 477 5371**  
**TEL 0044 117 977 4647 FAX 0044 977 5582**  
**WWW.THORNEANDDERRICK.CO.UK**

# TECHNICAL DATASHEET – R28

## Railway Signalling



**Specification** RT/E/PS/00005 Type B2  
**Voltage Rating** 0.65/1.1 kV  
**Description** Stranded tinned copper conductors,  
EPR insulation, cores laid up, PCP 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 1.50                                                       | 7/0.53                               | 12.20                                        | 10.90                    | 135.00         |
| 2 x 2.50                                                       | 7/0.67                               | 7.56                                         | 11.60                    | 170.00         |
| 2 x 10.00                                                      | 7/1.35                               | 1.84                                         | 16.60                    | 443.00         |
| 2 x 35.00                                                      | 19/1.53                              | 0.529                                        | 25.30                    | 1230.00        |
| 2 x 70.00                                                      | 19/2.14                              | 0.270                                        | 32.90                    | 2053.00        |
| 2 x 95.00                                                      | 19/2.52                              | 0.195                                        | 38.00                    | 2968.00        |
| 4 x 0.75                                                       | 7/0.37                               | 24.80                                        | 11.40                    | 140.00         |
| 7 x 0.75                                                       | 7/0.37                               | 24.80                                        | 13.30                    | 214.00         |
| 10 x 0.75                                                      | 7/0.37                               | 24.80                                        | 15.60                    | 280.00         |
| 12 x 0.75                                                      | 7/0.37                               | 24.80                                        | 15.90                    | 321.00         |
| 19 x 0.75                                                      | 7/0.37                               | 24.80                                        | 18.80                    | 451.00         |
| 27 x 0.75                                                      | 7/0.37                               | 24.80                                        | 22.10                    | 602.00         |
| 37 x 0.75                                                      | 7/0.37                               | 24.80                                        | 25.00                    | 799.00         |
| 48 x 0.75                                                      | 7/0.37                               | 24.80                                        | 26.20                    | 973.00         |
| 4 x 1.50                                                       | 7/0.53                               | 12.20                                        | 12.50                    | 217.00         |
| 7 x 1.50                                                       | 7/0.53                               | 12.20                                        | 14.10                    | 296.00         |
| 10 x 1.50                                                      | 7/0.53                               | 12.20                                        | 17.70                    | 401.00         |
| 12 x 1.50                                                      | 7/0.53                               | 12.20                                        | 17.90                    | 437.00         |
| 19 x 1.50                                                      | 7/0.53                               | 12.20                                        | 19.90                    | 615.00         |
| 27 x 1.50                                                      | 7/0.53                               | 12.20                                        | 23.90                    | 856.00         |
| 37 x 1.50                                                      | 7/0.53                               | 12.20                                        | 27.50                    | 1126.00        |
| 48 x 1.50                                                      | 7/0.53                               | 12.20                                        | 31.80                    | 1494.00        |

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# TECHNICAL DATASHEET – R28

## Railway Signalling



**Specification** RT/E/PS/00005 Type B2  
**Voltage Rating** 0.65/1.1 kV  
**Description** Stranded tinned copper conductors,  
EPR insulation, cores laid up, PCP 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          |
| 4 x 2.50                                                       | 7/0.67                               | 7.56                                         | 13.20                    | 260.00         |
| 7 x 2.50                                                       | 7/0.67                               | 7.56                                         | 15.30                    | 370.00         |
| 10 x 2.50                                                      | 7/0.67                               | 7.56                                         | 19.30                    | 520.00         |
| 12 x 2.50                                                      | 7/0.67                               | 7.56                                         | 19.70                    | 599.00         |
| 19 x 2.50                                                      | 7/0.67                               | 7.56                                         | 22.80                    | 835.00         |
| 27 x 2.50                                                      | 7/0.67                               | 7.56                                         | 27.50                    | 1232.00        |
| 37 x 2.50                                                      | 7/0.67                               | 7.56                                         | 31.00                    | 1623.00        |
| 48 x 2.50                                                      | 7/0.67                               | 7.56                                         | 35.70                    | 2032.00        |
| 6P x 0.75                                                      | 7/0.37                               | 24.80                                        | 20.10                    | 372.00         |

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