

**Constructional and Electrical Performance Data**  
**6242 / 3LSZH (Low Smoke Zero Halogen) Surface Wiring Cable**



**AEI Cables Limited**

**Construction** Solid or stranded plain annealed copper conductors, Cross-Linked Polyethylene (XLPE) insulation, cores laid flat with a non-insulated circuit protective conductor (CPC), Low Smoke Zero Halogen (LSZH) sheath.

**Specification** BS7211 Table 7 **Voltage Rating** 0.3/0.5 kV

**Operating Temperature** 0°C (Min) to 90°C (Max)

**Standard Colours**  
 2 core : Red & Black  
 3 core : Red, Yellow & Blue  
 Sheath : Light Grey

**Harmonised Code** National Type

**Approvals** BASEC Schedule No. 024/001/181

| No. of cores & Nominal Cross Sectional Area of Conductor | Nominal Cross Sectional Area of CPC | Current Rating*              |                       | Voltage Drop*                |                       | Maximum DC Conductor Resistance @ 20°C | Nominal Overall Diameter | Nominal Weight | AEI Product Code |
|--|-------------------------------------|------------------------------|-----------------------|------------------------------|-----------------------|--|--------------------------|----------------|------------------|
|  |                                     | 2 Core Single Phase ac or dc | 3 Core Three Phase ac | 2 Core Single Phase ac or dc | 3 Core Three Phase ac |  |                          |                |                  |
| no x mm <sup>2</sup>                                     | mm <sup>2</sup>                     | Amps                         | Amps                  | mV/A/M                       | mV/A/M                | Ω/Km                                   | mm                       | Kg/Km          |                  |
| 2 x 1.50+  | 1.00+                               | 24.00                        | -                     | 31.00                        | -                     | 12.10                                  | 4.70 x 8.60              | 77.00          | 225-002          |
| 2 x 2.50+  | 1.50+                               | 33.00                        | -                     | 19.00                        | -                     | 7.41                                   | 5.30 x 9.80              | 109.00         | 225-001          |
| 2 x 4.00   | 1.50+                               | 45.00                        | -                     | 12.00                        | -                     | 4.61                                   | 6.00 x 11.20             | 154.00         | 225-003          |
| 2 x 6.00   | 2.50+                               | 58.00                        | -                     | 7.90                         | -                     | 3.08                                   | 6.70 x 12.90             | 216.00         | 225-004          |
| 3 x 1.50+  | 1.00+                               | -                            | 22.00                 | -                            | 27.00                 | 12.10                                  | 4.70 x 11.40             | 117.00         | 225-005          |

\* The current ratings and voltage drop factors are extracted from Appendix 4 of BS7671, Requirements for Electrical Installations: IEE Wiring Regulations Sixteenth Edition, table 4E2A, for cables installed "Clipped Direct" Reference Method 1.

+ Solid conductors.

**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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