

Constructional and Electrical Performance Data 6242 / 3Y Surface Wiring Cable



AEI Cables Limited

Construction Solid or stranded plain annealed copper conductors, Polyvinyl Chloride (PVC) insulation, cores laid flat with a non-insulated circuit protective conductor (CPC), Polyvinyl Chloride (PVC) sheath

Specification BS6004 Table 8 **Voltage Rating** 0.3/0.5 kV

Operating Temperature 0°C (Min) to 70°C (Max)

Standard Colours
 2 core : Red & Black
 3 core : Red, Yellow & Blue
 Sheath : Grey or White

Harmonised Code National Type

Approvals BASEC Schedule No. 024/001/174

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 ²	mm ²	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm	Kg/Km	
2 x 1.00+	1.00+	16.00	-	44.00	-	18.10	4.20 x 7.70	66.00	221-685
2 x 1.50+	1.00+	20.00	-	29.00	-	12.10	4.60 x 8.50	84.00	221-686
2 x 2.50+	1.50+	27.00	-	18.00	-	7.41	5.40 x 10.20	126.00	221-687
2 x 4.00	1.50+	37.00	-	11.00	-	4.61	6.10 x 11.60	165.00	221-688
2 x 6.00	2.50+	47.00	-	7.30	-	3.08	6.90 x 13.30	230.00	221-689
2 x 10.00	4.00	64.00	-	4.40	-	1.83	8.20 x 16.50	361.00	221-690
2 x 16.00	6.00	85.00	-	2.80	-	1.15	9.40 x 19.20	526.00	221-691
3 x 1.00+	1.00+	-	13.50	-	38.00	18.10	4.20 x 10.00	89.00	221-692
3 x 1.50+	1.00+	-	17.50	-	25.00	12.10	4.60 x 11.30	114.00	221-693
3 x 2.50+	1.00+	-	24.00	-	15.00	7.41	5.40 x 13.40	166.00	221-694
3 x 4.00	1.50+	-	32.00	-	9.50	4.61	6.10 x 15.90	245.00	221-796
3 x 6.00	2.50+	-	41.00	-	6.40	3.08	6.90 x 17.90	329.00	221-710
3 x 10.00	4.00	-	57.00	-	3.80	1.83	8.20 x 22.30	522.00	221-795
3 x 16.00	6.00	-	76.00	-	2.40	1.15	9.40 x 25.90	750.00	221-711

* The current ratings and voltage drop factors are extracted from Appendix 4 of BS7671, Requirements for Electrical Installations: IEE Wiring Regulations Sixteenth Edition, table 4D5A, for cables installed "Clipped Direct" Reference Method 1. (6242Y) IEE Wiring Regulations Sixteenth Edition, table 4D2A, for cables installed "Clipped Direct" Reference Method 1. (6243Y)

+ 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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