

Constructional and Electrical Performance Data 3182 / 3 / 4 / 5Y – Ordinary Duty Flexible Cords

Construction Flexible plain annealed copper conductors, Polyvinyl Chloride (PVC) insulation, cores laid up, Polyvinyl Chloride (PVC) sheath

Specification BS6500 Table 27 **Voltage Rating** 0.3/0.5 kV

Operating Temperature 0°C (Min) to 60°C (Max)

Standard Colours

- 2 core : Blue & Brown
- 3 core : Blue, Brown & Green/Yellow
- 4 core : Black, Blue, Brown & Green/Yellow
- 5 core : Black, Blue, Brown, Black & Green/Yellow
- Sheath : Black or White

Harmonised Code H05VV-F

Approvals BASEC Schedule No. 024/001/176 (Harmonised types)
BASEC Schedule No. 024/001/177 (National types)

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating*		Voltage Drop*			Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight	AEI Product Code
	2 Core Single Phase ac	3 Core Three Phase ac	2 Core dc	2 Core Single Phase ac	3 Core Three Phase ac				
no x mm ²	Amps	Amps	mV/A/M	mV/A/M	mV/A/M	Ω/Km	mm	Kg/Km	
2 x 0.50+	3.00	-	93.00	93.00	-	39.00	6.20	51.00	232-330
2 x 0.75	6.00	-	62.00	62.00	-	26.00	6.60	63.00	232-420
2 x 1.00	10.00	-	46.00	46.00	-	19.50	6.90	71.00	232-421
2 x 1.50	16.00	-	32.00	32.00	-	13.30	7.90	94.00	232-422
2 x 2.50	25.00	-	19.00	19.00	-	7.98	9.50	137.00	232-423
3 x 0.75	6.00	-	-	62.00	-	26.00	7.00	73.00	232-425
3 x 1.00	10.00	-	-	46.00	-	19.50	7.40	84.00	232-426
3 x 1.25+	13.00	-	-	37.00	-	15.60	8.20	104.00	233-260
3 x 1.50	16.00	-	-	32.00	-	13.30	8.60	117.00	232-427
3 x 2.50	25.00	-	-	19.00	-	7.98	10.40	176.00	232-428
4 x 0.75	-	6.00	-	-	54.00	26.00	7.60	88.00	232-429
4 x 1.00	-	10.00	-	-	40.00	19.50	8.25	107.00	232-430
4 x 1.50	-	16.00	-	-	27.00	13.30	9.60	146.00	232-431
4 x 2.50	-	20.00	-	-	10.00	7.98	11.30	213.00	232-432
5 x 0.75	-	6.00	-	-	54.00	26.00	8.50	104.00	232-433
5 x 1.00	-	10.00	-	-	40.00	19.50	9.00	125.00	232-434
5 x 1.50	-	16.00	-	-	27.00	13.30	10.70	178.00	232-435
5 x 2.50	-	20.00	-	-	10.00	7.98	12.60	259.00	232-436

* The current rating and voltage drop factors are extracted from Appendix 4 of BS7671, Requirements for Electrical Installations: IEE Wiring Regulations Sixteenth Edition, table 4H3A.

+ National types.

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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