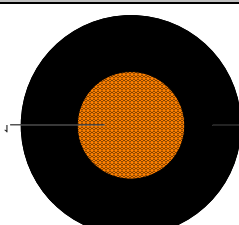


## TECHNICAL DATA SHEET LOW VOLTAGE BUILDING WIRE

Cable Description:

Cu / PVC 600 / 1000 V 105 °C 1.5 mm<sup>2</sup> (Flex) BLACK

Design and Construction Data:		
Reference Manufacturing Standards		IEC 60228, Adapted to BS 6231
Max. Permissible Continuous Conductor Temp	°C	105
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160 °C
Rated Voltage	V	600 / 1000
Conductor Size	mm <sup>2</sup>	1.5
Conductor Material & Shape		Copper & Flexible Class 5 Round Shape
Insulation Material		PVC-
Nominal Insulation Thickness	mm	0.80
Insulation Color		BLACK
Approximate Wire Overall Diameter	mm	3.1
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	13.3000
Max Conductor AC resistance @105 °C (Two/Three) Conductors	ohms/km	17.74
Max Conductor Short Circuit Current @ 1 Second	KA	0.13
Current Carry Capacity @ 30 °C Ambient Temperature		
Enclosed in conduit <sup>(1)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	19
Three or Four Insulated Conductors Three Phase ac	A	17
Clipped direct <sup>(2)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	22
Three or Four Insulated Conductors Three Phase ac	A	20
(1) Current carrying capacity based on IEE wiring regulation method B cables single ac or dc / three phase ac, enclosed in conduit on a wall or in trunking etc. at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipped direct at 30 °C ambient temperature". * ref (IEE Wiring Regulations 17th edition Table 4D1A)		
The Cable shall meet all Test requirements of: IEC/BS EN 60228, Adapted to BS 6231		
Packing Data:		
Type		Coil
Length of Cable per Coil (± 2%)	m	92
Net Weight (Approximate)	kg	1.9
Cable Marking:		
BAHRA CABLES CO. KSA 1.5 MM <sup>2</sup> CU / PVC 600 / 1000 V BS 6231 FLEX HEAT RESISTING 105 DEG C FLAME RETARDANT BS EN 60332-1-2		
Cable Drawing		
		
Description	Cu / PVC 600 / 1000 V 105 °C 1.5 mm <sup>2</sup> (Flex) BLACK	Approx. Diameter
1	Copper conductor with round shape	1.54
2	PVC-105 Insulation	3.14