TECHNICAL DATA SHEET
LOW VOLTAGE BUILDING WIRE

Cable Description:

Cu / PVC 450 / 750 V 90 °C 4 mm2 RM YELLOW

Design and Construction Data:		
Reference Manufacturing Standards		IEC 60228, IEC 60227-3, BS EN 50525-2-31
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160 °C
Rated Voltage	V	450 / 750
Conductor Size	mm^2	4
Conductor Material & Shape		Copper & Stranded Class 2 non-compacted Round Shape
Insulation Material		PVC
Nominal Insulation Thickness	mm	0.80
Insulation Color		YELLOW
Approximate Wire Overall Diameter	mm	4.1
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	4.6100
Max Conductor AC resistance @ 90 °C (Two/Three) Conductors	ohms/km	5.8782 / 5.8783
Max Conductor Short Circuit Current @ 1 Second	KA	0.4
Current Carry Capacity @ 30 °C Ambient Temperature		
Enclosed in conduit(1)		
Two Insulated Conductors Single Phase ac or dc	A	37
Three or Four Insulated Conductors Three Phase ac	A	33
Clipped direct(2)		
Two Insulated Conductors Single Phase ac or dc	A	43
Three or Four Insulated Conductors Three Phase ac	A	39

(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)

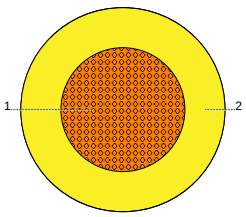
The Cable shall meet all Test requirements of: IEC/BS EN 60228, IEC 60227-3, BS EN 50525-2-31, IEC 60332-1

Packing Data:		
Type		Coil
Length of Cable per Coil (± 2%)	m	92
Net Weight (Approximate)	kg	4.4

Cable Marking:

BAHRA CABLES CO. KSA 4 MM2 CU/PVC 90 DEG C 450 / 750 V BS EN 50525-2-31 SASO 1320 TYPE 60227 IEC 01 FR IEC 60332-1

Cable Drawing



Description	Cu / PVC 450 / 750 V 90 °C 4 mm2 RM YELLOW	Approx. Diameter
1	Copper conductor with round shape	2.5
2	PVC TI-3 Insulation	4.1