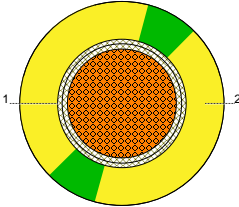


**TECHNICAL DATA SHEET  
LOW VOLTAGE FIRE RESISTANT BUILDING WIRE**

Cable Description:

 Cu / MICA / LSOH-XL 450 / 750 V H07Z-R 6 mm<sup>2</sup> RM G / Y

Design and Construction Data:		
Reference Manufacturing Standards		IEC 60228, BS 7211
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	250
Rated Voltage	V	450 / 750
Conductor Size	mm <sup>2</sup>	6
Conductor Material & Shape		Copper & Stranded Class 2 non-compacted Round Shape
Fire Resistant Tape		MICA fire resistant tape
Insulation Material		LSOH-XL
Nominal Insulation Thickness	mm	0.80
Insulation Color		YELLOW WITH GREEN STRIPES
Approximate Wire Overall Diameter	mm	5.7
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	3.0800
Max Conductor AC resistance @ 90 °C (Two/Three) Conductors	ohms/km	3.9274 / 3.9274
Max Conductor Short Circuit Current @ 1 Second	KA	0.86
Current Carry Capacity @ 30 °C Ambient Temperature		
Enclosed in conduit <sup>(1)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	54
Three or Four Insulated Conductors Three Phase ac	A	48
Clipped direct <sup>(2)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	59
Three or Four Insulated Conductors Three Phase ac	A	54
(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 4E1A)		
The Cable shall meet all Test requirements of: IEC/BS EN 60228, BS 7211, IEC 60332-1, IEC 60754-1, IEC 61034		
Packing Data:		
Type		Coil
Length of Cable per Coil (± 2%)	m	92
Net Weight (Approximate)	kg	6.9
Cable Marking:		
FSB WIRE BAHRA CABLES CO. KSA 6 mm <sup>2</sup> CU/MICA/LSOH-XL 450/750 V LPCB1069a BS 6387 CWZ BASEC FR IEC 60332-1-2 LSOH IEC 61034-2 IEC 60754 1&2		
Cable Drawing		
		
Description	Cu / MICA / LSOH-XL 450 / 750 V H07Z-R 6 mm <sup>2</sup> RM G / Y	Approx. Diameter
1	Copper conductor with round shape, wrapped with mica tape	4.1
2	LSOH-XL Insulation	5.7