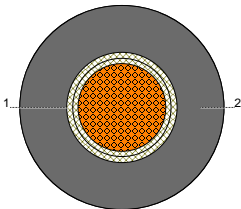


## TECHNICAL DATA SHEET

### LOW VOLTAGE FIRE RESISTANT BUILDING WIRE

Cable Description:

Cu / MICA / LS0H-XL 450 / 750 V H07Z-R 2.5 mm<sup>2</sup> RM BLACK

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>	2.5
Conductor Material & Shape		Copper & Stranded Class 2 non-compacted Round Shape
Fire Resistant Tape		MICA fire resistant tape
Insulation Material		LS0H-XL
Nominal Insulation Thickness	mm	0.80
Insulation Color		BLACK
Approximate Wire Overall Diameter	mm	4.6
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	7.4100
Max Conductor AC resistance @ 90 °C (Two/Three) Conductors	ohms/km	9.4485 / 9.4485
Max Conductor Short Circuit Current @ 1 Second	KA	0.35
Current Carry Capacity @ 30 °C Ambient Temperature		
Enclosed in conduit <sup>(1)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	31
Three or Four Insulated Conductors Three Phase ac	A	28
Clipped direct <sup>(2)</sup>		
Two Insulated Conductors Single Phase ac or dc	A	34
Three or Four Insulated Conductors Three Phase ac	A	31
(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	3.6
Cable Marking:		
FSB WIRE BAHRA CABLES CO. KSA 2.5 mm <sup>2</sup> CU/MICA/LS0H-XL 450/750 V LPCB1069a BS 6387 CWZ BASEC FR IEC 60332-1-2 LS0H IEC 61034-2 IEC 60754 1&2		
Cable Drawing		
		
Description	Cu / MICA / LS0H-XL 450 / 750 V H07Z-R 2.5 mm <sup>2</sup> RM BLACK	Approx. Diameter
1	Copper conductor with round shape, wrapped with mica tape	3.02
2	LS0H-XL Insulation	4.62