TECHNICAL DATA SHEET
LOW VOLTAGE FIRE RESISTANT BUILDING WIRE

Cable Description:

Cu / MICA/LS0H-XL 450 / 750 V H07Z-R 35 mm2 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^2	35
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	1.20
Insulation Color		BLACK
Approximate Wire Overall Diameter	mm	11
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	0.5240
Max Conductor AC resistance @ 90 °C (Two/Three) Conductors	ohms/km	0.6687 / 0.6689
Max Conductor Short Circuit Current @ 1 Second	KA	5
Current Carry Capacity @ 30 °C Ambient Temperature		
Enclosed in conduit(1)		
Two Insulated Conductors Single Phase ac or dc	A	164
Three or Four Insulated Conductors Three Phase ac	A	144
Clipped direct(2)		
Two Insulated Conductors Single Phase ac or dc	A	176
Three or Four Insulated Conductors Three Phase ac	A	161

(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)

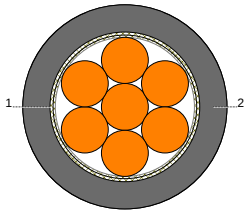
The Cable shall meet all Test requirements of: IEC/BS EN 60228, BS 7211, IEC 60332-1, IEC 60754-1, IEC 61034

Packing Data:		
Drum Type		Non-Returnable
Length of Cable per drum (± 5%)	m	1000
Drum Dimensions "Height x Width" (Approx.)	m	0.8 x 0.66
Gross Weight (Approximate without Lagging)	kg	392

Cable Marking:

FSB WIRE BAHRA CABLES CO. KSA 35 mm2 CU/MICA/LS0H-XL 450/750 V LPCB1069A/01 BS 6387 CWZ BASEC FR IEC 60332-1 LSOH IEC 61034 IEC 60754 1&2 'Manufacturing Year Meter marking'

Cable Drawing



Description	Cu / MICA/LS0H-XL 450 / 750 V H07Z-R 35 mm2 RM BLACK	Approx. Diameter
1	Copper conductor with round shape, wrapped with mica tape	8.42
2	LS0H-XL Insulation	10.82