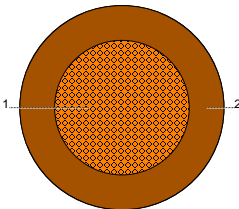


TECHNICAL DATA SHEET LOW VOLTAGE BUILDING WIRE

Cable Description:

Cu / LS0H-XL 450 / 750 V H07Z-R 6 mm² RM BROWN

Design and Construction Data:		
Reference Manufacturing Standards		IEC 60228, BS EN 50525-3-41
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	6
Conductor Material & Shape		Copper & Stranded Class 2 non-compacted Round Shape
Insulation Material		LS0H-XL
Nominal Insulation Thickness	mm	0.80
Insulation Color		BROWN
Approximate Wire Overall Diameter	mm	4.7
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 ⁽¹⁾		
Two Insulated Conductors Single Phase ac or dc	A	54
Three or Four Insulated Conductors Three Phase ac	A	48
Clipped direct ⁽²⁾		
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The Cable shall meet all Test requirements of: IEC/BS EN 60228, BS EN 50525-3-41, Formally BS 7211:1998 which is superseded, IEC 60332-1, IEC 60754-1, IEC 61034		
Packing Data:		
Type		Coil
Length of Cable per Coil (± 2%)	m	92
Net Weight (Approximate)	kg	6.2
Cable Marking:		
BAHRA CABLES CO. KSA 6 MM ² CU/LS0H-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC		
Cable Drawing		
		
Description	Cu / LS0H-XL 450 / 750 V H07Z-R 6 mm ² RM BROWN	Approx. Diameter
1	Copper conductor with round shape	3.06
2	LS0H-XL Insulation	4.66