

TECHNICAL DATA SHEET LOW VOLTAGE BUILDING WIRE

Cable Description:

Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY

Insulation Material (S0H-XL Nominal Insulation Thickness mm 0.70 Insulation Color 0.00000000000000000000000000000000000	Design and Construction Data:		
Max. Permissible Conflucous Conductor Temp °C 90 Max. Conductor Short Circuit Temp for 5 Seconds °C 250 Rated Voltage V 450 / 750 Conductor Size mm² 1.5 Conductor Size mm² 1.5 Conductor Material LSH-A Stranded Class 2 Insulation Material LSH-X Stranded Class 2 Insulation Color GREY GREY Approximate Wire Overall Diameter mm 0.70 Insulation Color GREY GREY Approximate Wire Overall Diameter mm 3 Electrical Data: Max Conductor Short Circuit Current © 15 Second KA Max Conductor Short Circuit Current © 15 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature Enclosed in conduit/0 Tree or Four insulated Conductors Single Phase ac or dc Three or Four insulated Conductors Single Phase ac or dc A 23 Three or Four insulated Conductors Single Phase ac or dc A 23 Three or Four insulated Conductors Single Phase ac or dc A 23 Three or Four insulated Conductors Single Phase ac or dc A 23 Three or Four insulated Conductors Single Phase ac or dc A 25 Three or Four insulated Conductors Single Ph	Reference Manufacturing Standards		IEC 60228, BS EN 50525-3-41
Max. Conductor Short Circuit Temp for 5 Seconds °C 250 Rated Voltage V 450 / 750 Conductor Material & Shape Copper & Stranded Class 2 non-compacted Round Shape Insulation Material LS0H-XL Numbral Insulation Thickness mm Insulation Color GREY Approximate Wire Overall Diameter mm Max Conductor A Cresistance @ 20 °C ohms/km Max Conductor A Cresistance @ 90 °C (Iwo/Three) Conductors ohms/km Max Conductor A Cresistance @ 30 °C ohms/km Max Conductor A Cresistance @ 30 °C (Iwo/Three) Conductors ohms/km Max Conductor Short Circuit Current @ 1 Second KA Max Conductor Sold Conductors Single Phase ac or dc A Max Conductor Sold Conductors Inree Phase ac A Three or Four Insulated Conductors Inree Phase ac A Conductor and the difficient Phase ac A Three or Four Insulated Conductors Inree Phase ac A Combient Temperature". (2) Current comping capacity based and the Wire regulation method B cables single ac or dc / three phase ac, enclosed in condultion a wall or in trunking etc. at 30 °C ambient temperature". [1] Current comping capacity based and the Wire regulation method B cables single ac or dc / t		°C	
Conductor Size mm² 1.5 Conductor Material & Shape Copper & Stranded Class 2 non-compacted Round Shape Insulation Material 0.70 Insulation Thickness mm Insulation Color GREY Approximate Wire Overall Diameter mm Max Conductor DC resistance @ 20 °C ohms/km Max Conductor DC resistance @ 90 °C (Iwo/Three) Conductors ohms/km Max Conductor DC resistance @ 90 °C (Iwo/Three) Conductors ohms/km Max Conductor DC resistance @ 30 °C Ambient Temperature Enclosed in condulf! Enclosed in condulf!!! Immediate Conductors Single Phase ac or dc A Three or Four Insulated Conductors Three Phase ac A 20 Clipped direct ¹² Immediate Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Three Phase ac A 23 (1) Current carrying capacity based on IEE wing 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) (2) Current carrying capacity based on IEE wing 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) (2) Current carrying capacity based on IEE			250
Conductor Material & Shape Copper & Stranded Class 2 non-compacted Round Shape Insulation Material IS0H-XL Nominal Insulation Thickness mm Approximate Wire Overall Diameter mm Approximate Wire Overall Diameter mm Max Conductor DC resistance @ 20 °C ohms/km Max Conductor AC resistance @ 20 °C ohms/km Max Conductor Short Circuit Current @ 15 Second KA Current Carry Capacity @ 30 °C Ambient Temperature Immeerature Two Insulated Conductors Single Phase ac or dc A Two Insulated Conductors Single Phase ac or dc A Three or Four Insulated Conductors Three Phase ac A (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 hunking etc. at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method B cables single ac or dc / three phase ac,	Rated Voltage	V	450 / 750
Insulation Material non-compacted Round Shape Insulation Material LSNH-XL Nominal Insulation Thickness mm 0.70 Insulation Color GREY Approximate Wire Overall Diameter mm 3 Electrical Data mm 12.1000 Max Conductor DC resistance @ 20 °C ohms/km 12.1000 Max Conductor AC resistance @ 20 °C ohms/km 15.4287 / 15.4287 Max Conductor Short Cresistance @ 20 °C ohms/km 15.4287 / 15.4287 Max Conductor Short Cresistance @ 20 °C ohms/km 15.4287 / 15.4287 Max Conductor Short Cresistance @ 20 °C ohms/km 15.4287 / 15.4287 Max Conductor Short Cresistance @ 20 °C ohms/km 15.4287 / 15.4287 Current Carry Capacity @ 30 °C Ambient Temperature	Conductor Size	mm ²	1.5
Insulation Material non-compacted Round Shape Insulation Material LSN+XL Nominal Insulation Thickness mm 0.70 Insulation Color GREY Approximate Wire Overall Diameter mm 3 Electrical Dato: mm 12.1000 Max Conductor DC resistance @ 20 °C ohms/km 12.1000 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	Conductor Material & Shape		Copper & Stranded Class 2
Nominal Insulation Thickness mm 0.70 Insulation Color GREY Approximate Wire Overall Diameter mm 3 Electrical Data: mm 3 Max Conductor DC resistance @ 90 °C (Two/Three) Conductors ohms/km 12.1000 Max Conductor AC resistance @ 90 °C (Two/Three) Conductors ohms/km 15.4287 / 15.4287 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	·		non-compacted Round Shape
Insulation Color GREY Approximate Wire Overall Diameter mm 3 Electrical Data: mm 3 Max Conductor DC resistance @ 20 °C ohms/km 12.1000 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	Insulation Material		LSOH-XL
Approximate Wire Overall Diameter mm 3 Electrical Data: Max Conductor DC resistance @ 20 °C ohms/km 12.1000 Max Conductor AC resistance @ 90 °C (Two/Three) Conductors ohms/km 15.4287 / 15.4287 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature 0 0 Enclosed in conduitf ¹¹ 0 0 Two Insulated Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Three Phase ac A 20 Clipped direct ¹⁰ 0 0 0 Two Insulated Conductors Single Phase ac or dc A 23 (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 ¹⁰ . (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase, clipp direct at 30 °C ambient temperature ¹⁰ . (2) Current carrying capacity hased on IEE wiring regulation method C cables single ac or dc / three phase, clipp direct at 30 °C ambient temperature ¹⁰ . (2) Current carrying capacity based on 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 w is supersecled. IEC 60754-1. IEC 6103	Nominal Insulation Thickness	mm	0.70
Electrical Data: Max Conductor DC resistance @ 20 °C ohms/km 12,1000 Max Conductor AC resistance @ 90 °C (two/Three) Conductors ohms/km 15,4287 / 15,4287 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature Enclosed in conduit!!! Image: Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Single Phase ac or dc A 23 Conductors Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Single Phase ac or dc A 25 Conductor Insulated Conductors Single Phase ac or dc A 23 (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 ac, ellipt direct fa3 0°C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase ac, ellipt direct fa3 0°C ambient temperature". * ref (IEE Wiring Regulations 17th edition Table 4E1A) The Cable shall meet all Test requirements of: is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Image: Coil Image: Coil Image: Coil Cable Marking: BAHRA CABL	Insulation Color		GREY
Max Conductor DC resistance @ 20 °C ohms/km 12,1000 Max Conductor AC resistance @ 90 °C (Two/Three) Conductors ohms/km 15,4287 / 15,4287 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	Approximate Wire Overall Diameter	mm	3
Max Conductor AC resistance @ 90 °C (Two/Three) Conductors ohms/km 15.4287 / 15.4287 Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	Electrical Data:	· •	
Max Conductor Short Circuit Current @ 1 Second KA 0.21 Current Carry Capacity @ 30 °C Ambient Temperature	Max Conductor DC resistance @ 20 °C	ohms/km	12.1000
Current Carry Capacity @ 30 °C Ambient Temperature	Max Conductor AC resistance @ 90 °C (Two/Three) Conductors	ohms/km	15.4287 / 15.4287
Enclosed in conduit ^[1] Image: Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Three Phase ac A 20 Clipped direct ^[2] Image: Conductors Single Phase ac or dc A 25 Three or Four Insulated Conductors Three Phase ac A 23 (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 , clipp direct at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipp direct at 30 °C ambient temperature". ************************************	Max Conductor Short Circuit Current @ 1 Second	KA	0.21
Two Insulated Conductors Single Phase ac or dc A 23 Three or Four Insulated Conductors Three Phase ac A 20 Clipped direct ^[2]	Current Carry Capacity @ 30 °C Ambient Temperature		
Three or Four Insulated Conductors Three Phase ac A 20 Clipped direct ⁽²⁾ Iwo Insulated Conductors Single Phase ac or dc A 25 Three or Four Insulated Conductors Three Phase ac A 23 (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 , clipp 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 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Cable bandl meet all Test requirements of: IEC/BS EN 60228, BS EN 50525-3-41, Formally BS 7211:1998 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Type Kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing 1 Copper conductor with round shape 1.52	Enclosed in conduit ⁽¹⁾		
Clipped direct ^[2] Two Insulated Conductors Single Phase ac or dc A 25 Three or Four Insulated Conductors Three Phase ac A 23 (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 , clipp 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 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing 1 Description Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY Approx. Diame Approx. Diame 1 Copper conductor with round shape	Two Insulated Conductors Single Phase ac or dc	Α	23
Two Insulated Conductors Single Phase ac or dc A 25 Three or Four Insulated Conductors Three Phase ac A 23 (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 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 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 ac, enclosed in conductors 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 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LS0H-XL 90 DEG C 450/750 V H072-R BS EN 50525-3-41 BASEC Cable Drawing Description Cu /LS0H-XL 450 / 750 V H072-R 1.5 mm2 RM GREY Approx. Diametor	Three or Four Insulated Conductors Three Phase ac	A	20
Three or Four Insulated Conductors Three Phase ac A 23 (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 , clipp direct at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipp 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 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Type Coil Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing 1 Copper conductor with round shape 1 Approx. Diametee 1.52	Clipped direct ⁽²⁾		
Three or Four Insulated Conductors Three Phase ac A 23 (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 , clipp direct at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipp 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 w is superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing 1 Description Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY Approx. Diametee 1 Copper conductor with round shape 1.52	Two Insulated Conductors Single Phase ac or dc	A	25
(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 , clipp direct at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipp direct at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipp 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 wis superseded, IEC 60332-1, IEC 60754-1, IEC 61034 Packing Data: Type Coil Type Coil Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing 1 Copper conductor with round shape Approx. Diamet 1.52	-	А	23
Packing Data: Type Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing	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 EI	N 50525-3-41, Formally BS 7211:1998 whic
Type Coil Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing Image: Cable Drawing		rseded, IEC 603	332-1, IEC 60754-1, IEC 61034
Length of Cable per Coil (± 2%) m 92 Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing Image: Cable Drawing Image: Cable Drawing Image: Cable Drawing Image: Cable Drawing Description Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY Approx. Diame 1 Copper conductor with round shape 1.52	-	T T	
Gross Weight (Approximate) kg 2 Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing Image: Cable Drawing <thi< td=""><td></td><td></td><td></td></thi<>			
Cable Marking: BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing Description Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY 1 Copper conductor with round shape			
BAHRA CABLES CO. KSA 1.5 MM2 CU/LSOH-XL 90 DEG C 450/750 V H07Z-R BS EN 50525-3-41 BASEC Cable Drawing		kg	2
Cable Drawing 1 Description Cu /LSOH-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY Approx. Diame 1 Copper conductor with round shape	-		
Description Cu /LS0H-XL 450 / 750 V H07Z-R 1.5 mm2 RM GREY Approx. Diame 1 Copper conductor with round shape 1.52		UV HU/Z-R BS	EN 50525-3-41 BASEC
1 Copper conductor with round shape 1.52	Cable Drawing		
1 Copper conductor with round shape 1.52		2	
1 Copper conductor with round shape 1.52	Description Cu /ISOH-XI 450 / 750 V H077-R 1.5 mm2 RM GREY		Approx Diameter
	2 LSOH-XL Insulation		2.92

