

Cable - General Wire
Cable Description: 1 X 1.5 MM2 SOLID CU LSZH GREEN : 450/750 V BSEN50525 : INSULATION
Design and Construction Data

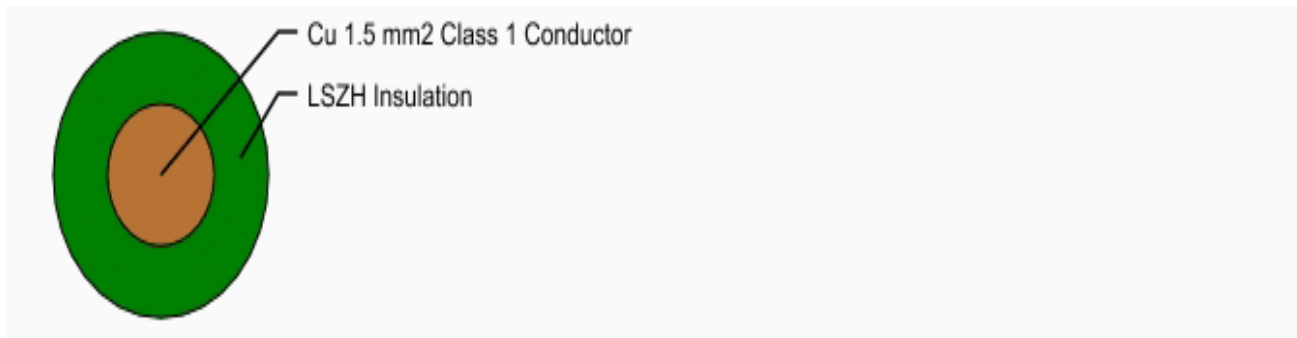
Reference Manufacturing Standards		IEC 60228 , BS EN 50525
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	450/750
Number of Conductors x Cross-Section	mm ²	1 x 1.5
Conductor Material & Shape		Copper & Solid Class 1
Insulation Material		LSZH
Insulation Nominal Thickness	mm	0.70
Insulation Color		Green
Approximate Cable Overall Diameter	mm	2.60- 3.30
Approximate Cable Weight	Kg/km	21.114

Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	12.10
Min Insulation Resistance at 90°C	M ohm.km	0.011
High Voltage Test at 2.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	17.5
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements		IEC 60228 , BS EN 50525

Cable Marking

 1x1.5mm² SOLID CU/LSZH ELECTRIC CABLE 450/750 V BS EN 50525 FAST CABLES LTD Y.O.M

Cable Drawing


1 X 1.5 MM2 SOLID CU LSZH GREEN : 450/750 V BSEN50525 : INSULATION		Approx. Diameter
Solid Copper Conductor with round shape	mm	1.38
Insulated	mm	2.60- 3.30

Cable - General Wire
Cable Description: 1 X 2.5 MM2 SOLID CU LSZH GREEN : 450/750 V BSEN50525 : INSULATION
Design and Construction Data

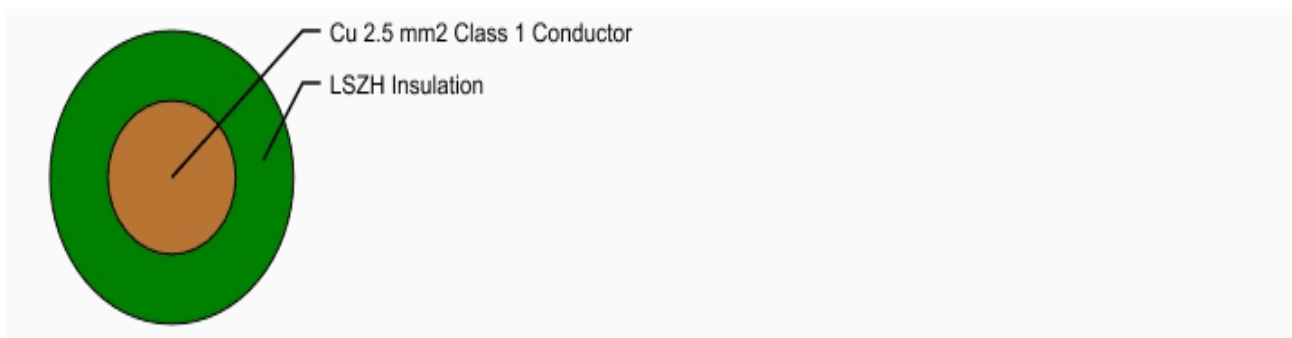
Reference Manufacturing Standards		IEC 60228 , BS EN 50525
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	450/750
Number of Conductors x Cross-Section	mm ²	1 x 2.5
Conductor Material & Shape		Copper & Solid Class 1
Insulation Material		LSZH
Insulation Nominal Thickness	mm	0.80
Insulation Color		Green
Approximate Cable Overall Diameter	mm	3.20- 4.00
Approximate Cable Weight	Kg/km	33.966

Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.41
Min Insulation Resistance at 90°C	M ohm.km	0.010
High Voltage Test at 2.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	24
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements		IEC 60228 , BS EN 50525

Cable Marking

 1x2.5mm² SOLID CU/LSZH ELECTRIC CABLE 450/750 V BS EN 50525 FAST CABLES LTD Y.O.M

Cable Drawing


1 X 2.5 MM2 SOLID CU LSZH GREEN : 450/750 V BSEN50525 : INSULATION		Approx. Diameter
Solid Copper Conductor with round shape	mm	1.77
Insulated	mm	3.20- 4.00

Cable - General Wire
Cable Description: 1 X 4 MM2 CIRCULAR COMPACT CU LSZH GREEN / YELLOW : 450/750 V
BSEN50525 : INSULATION
Design and Construction Data

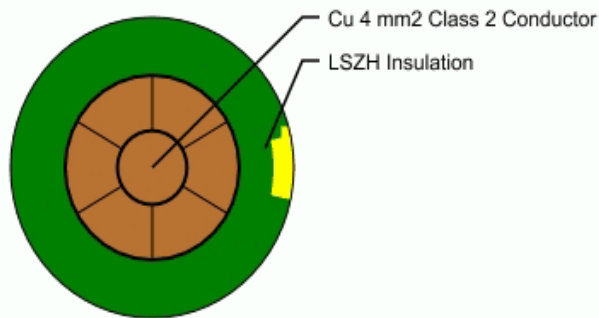
Reference Manufacturing Standards		IEC 60228 , BS EN 50525
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	450/750
Number of Conductors x Cross-Section	mm ²	1 x 4
Conductor Material & Shape		Copper & Stranded Class 2. Compacted
Insulation Material		LSZH
Insulation Nominal Thickness	mm	0.80
Insulation Color		Green-Yellow
Approximate Cable Overall Diameter	mm	3.80- 4.70
Approximate Cable Weight	Kg/km	50.218

Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	4.61
Min Insulation Resistance at 90°C	M ohm.km	0.0077
High Voltage Test at 2.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	32
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements		IEC 60228 , BS EN 50525

Cable Marking

 1x4mm² CU/LSZH ELECTRIC CABLE 450/750 V BS EN 50525 FAST CABLES LTD Y.O.M

Cable Drawing


1x4mm ² CU/LSZH 450/750 V		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.55
Insulated	mm	3.80- 4.70

Cable - General Wire
Cable Description: 1 X 6 MM2 CIRCULAR COMPACT CU LSZH GREEN / YELLOW : 450/750 V
BSEN50525 : INSULATION
Design and Construction Data

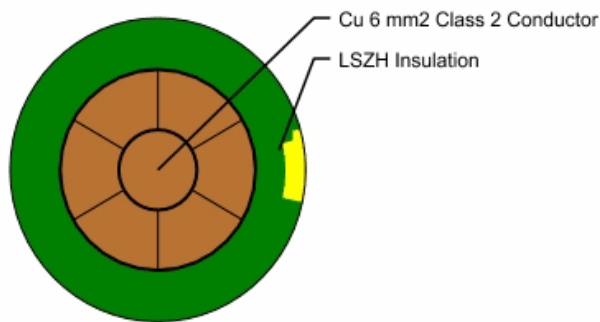
Reference Manufacturing Standards	IEC 60228 , BS EN 50525	
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' U _o / U '	V	450/750
Number of Conductors x Cross-Section	mm ²	1 x 6
Conductor Material & Shape	Copper & Stranded Class 2. Compacted	
Insulation Material	LSZH	
Insulation Nominal Thickness	mm	0.80
Insulation Color	Green-Yellow	
Approximate Cable Overall Diameter	mm	4.30- 5.40
Approximate Cable Weight	Kg/km	70.637

Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	3.08
Min Insulation Resistance at 90°C	M ohm.km	0.0065
High Voltage Test at 2.5kV for 5 min	No Breakdown Shall Occur	
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	41
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements	IEC 60228 , BS EN 50525	

Cable Marking

 1x6mm² CU/LSZH ELECTRIC CABLE 450/750 V BS EN 50525 FAST CABLES LTD Y.O.M

Cable Drawing


1x6mm ² CU/LSZH 450/750 V	Approx. Diameter	
Stranded Copper Conductor with round shape	mm	3.12
Insulated	mm	4.30- 5.40