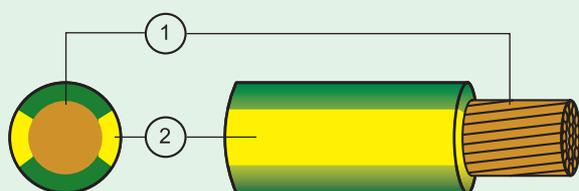


# Single Core CU/LSHF

## Cross-linked polyolefin insulated, Non-sheathed Cable 450/750V



### Component

1. Copper Conductor
2. LSHF Insulation

### Standards Applied

Design Guide: BS7211  
 Conductor: IEC60228, BS6360, BS EN 60228  
 Flame Retardancy: IEC60332-1-2, IEC60332-3-22  
 Low Smoke & Reduced Toxicity: IEC60754-1/2, IEC61034-2

### Electrical Characteristics

Operating voltage, U<sub>0</sub>/U: 450/750V  
 Max. operating temperature: 90°C  
 Final short circuit temperature: 250°C  
 Test voltage: 2.5kV for 15 minutes

### Installation Guide

Min. bending radius (mm) : 6 x Cable Overall Diameter  
 Max. pulling tension (kgf) : 7 x No. of Core x Conductor Size

### Construction

<b>Conductor</b>	Plain annealed copper wire
<b>Insulation</b>	An extruded layer of cross-linked polyolefin , EI5
<b>Core Identification</b>	Black, Red, Green/Yellow, Yellow, Blue, White, Grey, Brown or other

### Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	kg/km	Ω/km
	1	1.5	0.7	3.0	22	12.1
	1	2.5	0.8	3.6	34	7.41
	1	4	0.8	4.2	51	4.61
	1	6	0.8	4.7	71	3.08
	1	10	1.0	6.1	120	1.83
	1	16	1.0	7.1	180	1.15
	1	25	1.2	8.8	283	0.727
	1	35	1.2	10.1	380	0.524
	1	50	1.4	11.7	514	0.387
	1	70	1.4	13.5	724	0.268
	1	95	1.6	15.8	1000	0.193
	1	120	1.6	17.4	1239	0.153
	1	150	1.8	19.4	1524	0.124
	1	185	2.0	21.6	1910	0.0991
	1	240	2.2	24.7	2489	0.0754
	1	300	2.4	27.5	3114	0.0601
	1	400	2.6	30.9	3965	0.0470
	1	500	2.8	34.4	4979	0.0366
	1	630	2.8	38.4	6339	0.0283

\* Optional