

The cable may be used for fixed installation indoors and outdoors in air and ground.

### Description

CU/XLPE/LSF/SWA/LSF is a halogen free, XLPE insulated, LSF bedded, steel wire armoured and LSF sheathed cable with circular, compacted and stranded annealed copper conductors meets the requirements in BS EN 60228 class 2. The cable is designed according to BS 6724. The armour is a single layer of galvanized steel wires, laid in a left hand direction. The cores are identified by numbers and they are laid up in concentric layers and covered with an extruded layer of polymeric compound. The external surface on the outer sheath is embossed "NEXANS GS BASEC ELECTRICAL CABLE 600 / 1000 V BS 6724 NUMBER OF CORES X NOMINAL AREA OF THE CONDUCTOR XLPE ALSECURE YEAR OF MANUFACTURE" + metre marking. The cable meets the requirements for flammability stated in BS EN 50266-2-4 and has low emission of smoke and fume when burning.



### Current ratings

The cable can be loaded according to IEC 60287: "CALCULATION OF THE CONTIOUS CURRENT RATING OF CABLES (100% LOAD FACTOR)".

### Standards

**National BS 6724**

### Standards

The cable is manufactured and tested according to BS 6724.

### Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



Rated Voltage U<sub>0</sub>/U (Um)  
0.6/1 kV



Minimum installation  
temperature  
0 °C



Maximum operating  
temperature  
90 °C



Bending factor when  
laying  
6 (xD)



Flame retardant  
IEC 60332-3 Cat. C

**Characteristics**

Construction characteristics	
Conductor material	Copper
Conductor shape	Circular
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	LSHFFR compound
Colour	Black
Electrical characteristics	
Rated Voltage U <sub>0</sub> /U (Um)	0.6/1 kV
Usage characteristics	
Minimum installation temperature	0 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Bending factor when laying	6 (xD)
Flame retardant	IEC 60332-3 Cat. C

**Product List**

☎=Make to order, 📦=In stock

Nexans ref.	Number of cores	Conductor cross-section (mm <sup>2</sup> )	Nominal outer diameter (mm)	Approximate weight (kg/100m)
☎ 36015200198	5	1.5	13.0	35.0
☎ 35007000198	5	10	22.0	102.0
☎ 35000900198	5	16	25.5	153.0
☎ 36015700198	5	2.5	15.1	43.0
☎ 36019400198	5	4	16.3	52.0
☎ 36019500198	5	6	18.5	75.0
☎ 36015300198	7	1.5	14.3	38.0
☎ 36015800198	7	2.5	16.0	50.0
☎ 36010300198	7	4	18.5	74.0
☎ 36019600198	7	6	21.0	95.0
☎ 36015400198	12	1.5	18.0	65.0
☎ 36015900198	12	2.5	21.0	88.0
☎ 36015500198	19	1.5	20.7	90.0
☎ 36016000198	19	2.5	25.0	132.0
☎ 36009900198	27	1.5	25.2	130.0
☎ 36016100198	27	2.5	30.0	170.0
☎ 36015600198	37	1.5	27.3	160.0
☎ 36016200198	37	2.5	33.0	212.0
☎ 36004400198	48	1.5	30.5	195.0
☎ 36001600198	48	2.5	37.5	295.0

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**Selling information**

CU/XLPE/LSF/SWA/LSF will be delivered in specified lengths. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.