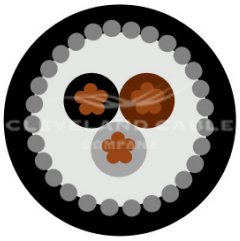
SUPERLEC DIRECT
ELECTRICAL SUPPLIES SINCE 1981

T: 0800 652 9229
W: www.superlecdirect.com
E: info@superlecdirect.com

BS6724 LSZH MULTICORE MAINS & CONTROL (1.5 - 16MM)



APPLICATION

Used in power networks, indoor, outdoor, underground. Can be used in cable ducting for installation where fire, smoke emissions and toxic fumes create a potential threat to life and equipment.

CABLE STANDARDS

BS6724,
Acid gas emission to BS EN 50267 (IEC 60754-1)
Smoke emission to BS EN 50268 (IEC 61034)
Flame propagation: IEC 60332-1,
IEC60332-3,
BS EN 50265, Category C;
BS EN 50266

CONSTRUCTION

Conductor: Plain Annealed Stranded Copper Conductors

Insulation: Cross Link Polyethylene (XLPE)

Bedding: Low Smoke and Zero Halogen (LSZH)

Armouring: Galvanised Steel Wire Armour

Sheath: Low Smoke and Zero Halogen (LSZH)

Sheath Colour: Black

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Limits: -25°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: Brown Blue
3 Core: Brown Black Grey
4 Core: Brown Black Grey Blue
5 Core: Brown Black Grey Blue Green/Yellow

Additionally these cables are stocked with:
3 Core: Brown Blue Green/Yellow
5 Core and above up to 6mm²: White
2, 3, 4 or 5 Core 1.5 - 2.5mm²: White

Should not be installed at temperatures below 0°C or above +40°C

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BS6724 LSZH MULTICORE CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	STRANDING (MM)	NO OF CORES	WEIGHT (Kg/Km)	OVERALL DIAMETER (MM)	GLAND SIZE (MM) ALI (MM)	CLEAT SIZE
LSF2X1/5	1.5	7/0.53	2	260	11.00	20/16	0.5
LSF3X1/5	1.5	7/0.53	3	295	11.20	20/16	0.5
LSF4X1/5	1.5	7/0.53	4	350	12.50	20S	0.5
LSF5X1/5	1.5	7/0.53	5	362	12.90	20S	0.6
LSF7X1/5	1.5	7/0.53	7	398	13.70	20S	0.6
LSF10X1/5	1.5	7/0.53	10	650	18.00	20	0.8
LSF12X1/5	1.5	7/0.53	12	680	18.00	20	0.8
LSF19X1/5	1.5	7/0.53	19	885	20.60	25	0.9
LSF27X1/5	1.5	7/0.53	27	1310	25.10	32	1.0
LSF37X1/5	1.5	7/0.53	37	1590	27.50	32	1.1
LSF48X1/5	1.5	7/0.53	48	1958	31.00	32	1.4
LSF2X2/5	1.5	7/0.53	2	270	12.20	20S	0.5
LSF3X2/5	2.5	7/0.67	3	360	12.80	20S	0.6
LSF4X2/5	2.5	7/0.67	4	410	13.50	20S	0.6
LSF5X2/5	2.5	7/0.67	5	435	14.70	20	0.6
LSF7X2/5	2.5	7/0.67	7	520	15.60	20	0.7
LSF10X2/5	2.5	7/0.67	10	250	20.00	25	0.8
LSF12X2/5	2.5	7/0.67	12	905	21.00	25	0.9
LSF19X2/5	2.5	7/0.67	19	1360	25.00	32	1.0
LSF27X2/5	2.5	7/0.67	27	1760	30.00	32	1.2
LSF37X2/5	2.5	7/0.67	37	2185	33.00	40	1.4
LSF48X2/5	2.5	7/0.67	48	3003	37.30	40	1.6
LSF2X4	4	7/0.85	2	381	13.10	20S	0.6
LSF3X4	4	7/0.85	3	435	13.70	20S	0.6
LSF4X4	4	7/0.85	4	495	14.80	20	0.6
LSF5X4	4	7/0.85	5	583	16.35	20	0.7
LSF7X4	4	7/0.85	7	760	18.20	20	0.8
LSF12X4	4	7/0.85	12	1266	24.24	25	1.0
LSF19X4	4	7/0.85	19	1701	27.61	32	1.2
LSF27X4	4	7/0.85	27	2347	32.30	40	1.4
LSF2X6	6	7/1.04	2	405	14.10	20	0.6
LSF3X6	6	7/1.04	3	490	14.80	20	0.6
LSF4X6	6	7/1.04	4	670	17.30	20	0.7
LSF5X6	6	7/1.04	5	823	18.39	20	0.8
LSF7X6	6	7/1.04	7	1100	21.90	25	0.9
LSF2X10	10	7/1.35	2	600	16.10	20	0.7
LSF3X10	10	7/1.35	3	750	17.90	20	0.8
LSF4X10	10	7/1.35	4	885	19.30	25	0.8
LSF5X10	10	7/1.35	5	1106	20.91	25	0.9
LSF7X10	10	7/1.35	7	1500	25.00	25	1.0
LSF2X16	16	7/1.70	2	905	19.00	25	0.8
LSF3X16	16	7/1.70	3	990	20.00	25	0.8
LSF4X16	16	7/1.70	4	1195	22.00	25	0.9
LSF5X16	16	7/1.70	5	1695	25.19	25	1.0
LSF7X16	16	7/1.70	7	2150	28.10	32	1.2

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BS6724 LSZH MULTICORE – CARRYING CAPACITY (AMPS)

CONDUCTOR CROSS – SECTIONAL AREA MM²	REFERENCE METHOD C (CLIPPED DIRECT)		REFERENCE METHOD E (IN FREE AIR OR ON A PERFORATED CABLE TRAY, HORIZONTAL OR VERTICAL)		REFERENCE METHOD D (DIRECT IN GROUND OR IN DUCTING IN GROUND, IN OR AROUND BUILDINGS)	
	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC
1.5	27	23	29	25	25	21
2.5	36	31	39	33	33	28
4	49	42	52	44	43	36
6	62	53	66	56	53	44
10	85	73	90	78	71	58
16	110	94	115	99	91	75

BS6724 LSZH MULTICORE MAINS & CONTROL - VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA MM²	TWO CORE CABLE DC	TWO CORE CABLE SINGLE-PHASE AC MV/A/M	THREE OR FOUR CORE CABLE THREE-PHASE AC MV/A/M
1.5	31	31	27
2.5	19	19	16
4	12	12	10
6	7.9	7.9	6.8
10	4.7	4.7	4
16	2.9	2.9	2.5

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

CONDUCTOR OPERATING TEMPERATURE: 90°C
R = RESISTIVE COMPONENT
X = REACTIVE COMPONENT
Z = IMPEDANCE VALUE