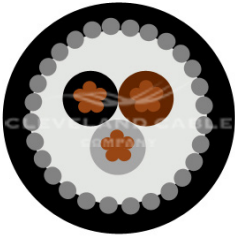


BS6724 LSZH MULTICORE MAINS & CONTROL (1.5 - 16MM)



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
BASEC Approved

CONSTRUCTION

Conductor: Plain Annealed Stranded Copper Conductors
Insulation: Cross Link Polyethylene (XLPE)
Bedding: LSZH
Armouring: Galvanised Steel Wire Armour
Sheath: Low Smoke and Zero Halogen
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
3 Core: ■ Brown ■ Blue ■ G/Y (up to 35mm²)
4 Core: ■ Brown ■ Black ■ Grey ■ Blue
5 Core and above - up to 6mm² 8 White**
2, 3, 4 or 5 Core 1.5 - 2.5mm² White

Also available as: ■ Brown ■ Black ■ Grey
■ Blue ■ G/Y

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

LSF BS6724 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

LSF BS6724 – CARRYING CAPACITY (AMPERES)

CONDUCTOR CROSS - SECTIONAL AREA MM ²	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

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

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

NOMINAL CROSS SECTIONAL AREA MM ²	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

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.