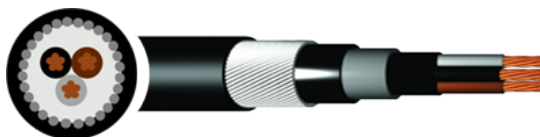


BS6724 Mains & Control Cable 1kV - XLPE, SWA, LSZH - 1.5mm² to 16mm²



Description

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

They are ideal for public buildings like airports and railway stations, computer rooms, datacentres, where escape is limited and fire safety is critical.

Key Features



Voltage Rating
600/1000 Volts



Minimum Bending Radius
Fixed: 6 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24



Temperature Limits
Fixed -20°C to +90°C

Core Colours

2 core - Brown Blue

3 core - Brown Black Grey

3 core (up to 70mm²) - Brown Blue Green Yellow

4 core - Brown Black Grey Blue

5 core and above (up to 6mm²) - White with Black numbers

2, 3, 4 or 5 core (1.5mm² & 2.5mm²) - White

Also available as

Brown Black Grey Blue Green Yellow

Standards

- BS EN/IEC 60332-3-24 (cat C)
- BS6724
- BS EN/IEC 60332-1-2
- BS EN/IEC 61034-2
- Acid Gas Emission to BS EN/IEC 60754-1/2
- BS EN/IEC 60228

Construction

- **Conductor:** Class 2 stranded copper conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Bedding:** Low Smoke Zero Halogen (LSZH)
- **Armour:** Steel Wire Armour (SWA)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Black

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance



BS6724 Mains & Control Cable 1kV - XLPE, SWA, LSZH - 1.5mm² to 16mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
LSF2X1/5	1.5	2	7/0.53	11	260	0.5	20/16
LSF3X1/5	1.5	3	7/0.53	11.2	295	0.5	20/16
LSF2EX1/5	1.5	3	7/0.53	11.2	268	0.5	20/16
LSF4X1/5	1.5	4	7/0.53	12.5	350	0.5	20S
LSF5X1/5	1.5	5	7/0.53	12.9	362	0.6	20S
LSF7X1/5	1.5	7	7/0.53	13.7	398	0.6	20S
LSF10X1/5	1.5	10	7/0.53	18	650	0.8	20
LSF12X1/5	1.5	12	7/0.53	18	680	0.8	20
LSF19X1/5	1.5	19	7/0.53	20.6	885	0.9	25
LSF27X1/5	1.5	27	7/0.53	25.1	1310	1	32
LSF37X1/5	1.5	37	7/0.53	27.5	1590	1.1	32
LSF48X1/5	1.5	48	7/0.53	31	1958	1.4	32
LSF2X2/5	2.5	2	7/0.67	12.2	270	0.5	20S
LSF3X2/5	2.5	3	7/0.67	12.8	360	0.5	20S
LSF2EX2/5	2.5	3	7/0.67	12.8	340	0.5	20S
LSF4X2/5	2.5	4	7/0.67	13.5	410	0.6	20S
LSF5X2/5	2.5	5	7/0.67	14.7	435	0.6	20
LSF7X2/5	2.5	7	7/0.67	15.6	520	0.7	20
LSF10X2/5	2.5	10	7/0.67	20	250	0.8	25
LSF12X2/5	2.5	12	7/0.67	21	905	0.9	25
LSF19X2/5	2.5	19	7/0.67	25	1360	1	32
LSF27X2/5	2.5	27	7/0.67	30	1760	1.2	32
LSF37X2/5	2.5	37	7/0.67	33	2185	1.4	40
LSF48X2/5	2.5	48	7/0.67	37.3	3003	1.6	40
LSF2X4	4	2	7/0.85	13.1	381	0.6	20S
LSF3X4	4	3	7/0.85	13.7	435	0.6	20S
LSF2EX4	4	3	7/0.85	13.7	460	0.6	20S
LSF4X4	4	4	7/0.85	14.8	495	0.6	20
LSF5X4	4	5	7/0.85	16.4	583	0.7	20
LSF7X4	4	7	7/0.85	18.2	760	0.8	20
LSF12X4	4	12	7/0.85	24.2	1266	1	25
LSF19X4	4	19	7/0.85	27.6	1701	1.2	32
LSF27X4	4	27	7/0.85	32.3	2347	1.4	40
LSF2X6	6	2	7/1.04	14.1	405	0.6	20
LSF3X6	6	3	7/1.04	14.8	490	0.6	20
LSF2EX6	6	3	7/1.04	14.8	639	0.6	20
LSF4X6	6	4	7/1.04	17.3	670	0.7	20

Reference	Conductor Size (mm ²)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
LSF5X6	6	5	7/1.04	18.4	823	0.8	20
LSF7X6	6	7	7/1.04	21.9	1100	0.9	25
LSF2X10	10	2	7/1.35	16.1	600	0.7	20
LSF	10	3	7/1.35	17.9	750	0.8	20
LSF4X10	10	4	7/1.35	19.3	885	0.8	25
LSF5X10	10	5	7/1.35	20.9	1106	0.9	25
LSF7X10	10	7	7/1.35	25	1500	1	25
LSF2X16	16	2	7/1.70	19	905	0.8	25
LSF	16	3	7/1.70	20	990	0.8	25
LSF4X16	16	4	7/1.70	22	1195	0.9	25
LSF5X16	16	5	7/1.70	25.2	1695	1	25
LSF7X16	16	7	7/1.70	28.1	2150	1.2	32

TABLE 4E4B

VOLTAGE DROP (per ampere per metre)

Conductor operating temperature:90°C

Conductor cross sectional area (mm ²)	Two-core cable DC (mV/Nm)	Two-core cable, single-phase AC (mV/Nm)			Three- or four-core cable, three-phase AC (mV/Nm)		
		R	X	Z	R	X	Z
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			4.0		
16	2.9	2.9			2.5		
		R	X	Z	R	X	Z
25	1.85	1.85	0.160	1.90	1.60	0.140	1.65
35	1.35	1.35	0.155	1.35	1.15	0.135	1.15
50	0.98	0.99	0.155	1.00	0.86	0.135	0.87
70	0.67	0.67	0.150	0.69	0.59	0.130	0.60
95	0.49	0.50	0.150	0.52	0.43	0.130	0.45
120	0.39	0.40	0.145	0.42	0.34	0.130	0.37
150	0.31	0.32	0.145	0.35	0.28	0.125	0.30
185	0.25	0.26	0.145	0.29	0.22	0.125	0.26
240	0.195	0.20	0.140	0.24	0.175	0.125	0.21
300	0.155	0.16	0.140	0.21	0.140	0.120	0.185
400	0.120	0.13	0.140	0.190	0.115	0.120	0.165

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