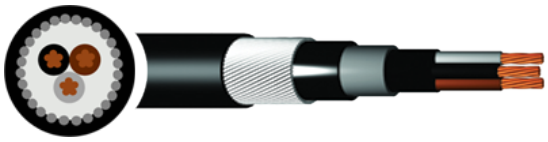
BS6724 3 Core Mains Cable 3.3kV - XLPE,SWA, LSZH - 16mm² to 300mm²



Description

Cleveland Cable Company stocks a large range of 3.3kV (3300V) 3 core Low Smoke Zero Halogen (LSZH) mains cables, available in sizes 16mm to 300mm and manufactured to British Standard BS6724. The 3 core mains cable is medium voltage power cable designed for installation indoors. This cable can be used in public places where increased safety is required due to Low Smoke Zero Halogen (LSZH) outer sheath.

Key Features

Voltage Rating
1.9kV-3.3kV

Minimum Bending Radius
Fixed: 12 x overall diameter

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

Temperature Limits
Temperature Range: -15°C to + 90°C
Maximum short-circuit temperature: 250°C

Core Colours

3 core - Brown | Black | Grey

Standards

- BS6724
- IEC/EN 61034-1/2,
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- BS EN/IEC 60754-1

Construction

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

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
31196

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.

CLEVELAND CABLE COMPANY

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

ecovadis

BS6724 3 Core Mains Cable 3.3kV - XLPE,SWA, LSZH - 16mm² to 300mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
LSF3X16/3	16	3	7/1.70	29.5	1600	1.2	32
LSF3X25/3	25	3	7/2.14	32.3	2060	1.4	32
LSF3X35/3	35	3	7/2.52	35	2330	1.4	40
LSF3X50/3	50	3	19/1.78	34.9	3040	1.4	40
LSF3X70/3	70	3	19/2.14	38	3800	1.6	40
LSF3X95/3	95	3	19/2.52	41.4	4730	1.8	50S
LSF3X120/3	120	3	37/2.03	45.6	6070	1.8	50S
LSF3X150/3	150	3	37/2.25	48.3	7010	2	50
LSF3X185/3	185	3	37/2.52	51.6	8270	TC9	50
LSF3X240/3	240	3	61/2.25	56.5	10310	TC9	63S
LSF3X300/3	300	3	61/2.52	60.7	12300	TC10	63

TABLE 4E4A – Multicore armoured 90 °C thermosetting insulated cables (COPPER CONDUCTORS)

Air ambient temperature: 30 °C Ground ambient temperature: 20 °C Conductor operating temperature: 90 °C CURRENT-CARRYING CAPACITY (amperes):

Conductor cross-sectional area	Reference Method C (clipped direct) 1 two-core cable, single-phase AC or DC	Reference Method C (clipped direct) 1 three- or 1 four-core cable, three-phase AC	Reference Method E (in free air or on a perforated cable tray etc, horizontal or vertical) 1 two-core cable, single-phase AC or DC	Reference Method E (in free air or on a perforated cable tray etc, horizontal or vertical) 1 three- or 1 four-core cable, three-phase AC	Reference Method D1 (ducting in ground, in or around buildings) 1 two-core cable, single-phase AC or DC	Reference Method D1 (ducting in ground, in or around buildings) 1 three- or 1 four-core cable, three-phase AC	Reference Method D2 (direct in ground, in or around buildings) 1 two-core cable, single-phase AC or DC	Reference Method D2 (direct in ground, in or around buildings) 1 three- or four-core cable, three-phase AC
1	2	3	4	5	6	7	8	9
(mm^2)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
1.5	27	23	29	25	25	21	27	23
2.5	36	31	39	33	33	28	35	30
4	49	42	52	44	43	36	46	39
6	62	53	66	56	53	44	58	49
10	85	73	90	78	71	58	77	65
16	110	94	115	99	91	75	100	84
25	146	124	152	131	116	96	129	107
35	180	154	188	162	139	115	155	129
50	219	187	228	197	164	135	183	153
70	279	238	291	251	203	167	225	188
95	338	289	354	304	239	197	270	226
120	392	335	410	353	271	223	306	257
150	451	386	472	406	306	251	343	287
185	515	441	539	463	343	281	387	324
240	607	520	636	546	395	324	448	375
300	698	599	732	628	446	365	502	419
400	787	673	847	728				

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.