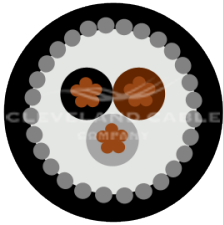


BS6724 3 CORE ARMoured MAINS CABLE 3300V LSZH



APPLICATION

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

CABLE STANDARDS

BS EN 50267 (IEC 60754-1)
BS EN 50268 (IEC 61034)
IEC 60332-1, IEC 60332-3
BS EN50265, Category C
BS EN 50266

CONSTRUCTION

Conductor: Class 2 stranded copper conductor according to BS EN 60228 (previously BS 6360)
Insulation: Cross Link Polyethylene (XLPE)
Bedding: Low Smoke Zero Halogen (LSZH)
Armour: Steel Wire Armour (SWA)
Sheath: Low Smoke Zero Halogen (LSZH)

CHARACTERISTICS

Voltage Rating: 1900/3300 Volts
Temperature Rating:
Fixed -25°C to +90°C
Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

3 Core: ■ Brown ■ Black ■ Grey

Should not be installed at temperatures below 5°C or above +60°C

BS 6724 3 CORE ARMoured MAINS CABLE 3.3KV - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE (MM)	NYLON CLEAT SIZE
LSF3X16/3	16	7/1.70	3	1600	29.50	32	1.2
LSF3X25/3	25	7/2.14	3	2060	32.30	32	1.4
LSF3X35/3	35	7/2.52	3	2330	35.00	40	1.4
LSF3X50/3	50	19/1.78	3	3040	34.90	40	1.4
LSF3X70/3	70	19/2.14	3	3800	38.00	40	1.6
LSF3X95/3	95	19/2.52	3	4730	41.40	50S	1.8
LSF3X120/3	120	37/2.03	3	6070	45.60	50S	1.8
LSF3X150/3	150	37/2.25	3	7010	48.30	50	2
LSF3X185/3	185	37/2.52	3	8270	51.60	50	TC9
LSF3X240/3	240	61/2.25	3	10310	56.50	63S	TC9
LSF3X300/3	300	61/2.52	3	12300	60.70	63	TC10

BS 6724 3 CORE ARMoured 3.3KV - ELECTRICAL CHARACTERISTICS

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)	VOLTAGE DROP		
	1 THREE CORE CABLE THREE-PHASE AC	1 THREE CORE CABLE THREE-PHASE AC	1 THREE CORE CABLE THREE-PHASE AC	THREE CORE CABLE THREE-PHASE AC MV/A/M		
(MM ²)	(A)	(A)	(A)	R	X	Z
16	94	99	75	2.5		
25	124	131	96	1.60	0.14	1.65
35	154	162	115	1.15	0.135	1.15
50	187	197	135	0.866	0.135	0.870
70	238	251	167	0.59	0.13	0.60
95	289	304	197	0.43	0.13	0.45
120	335	353	223	0.34	0.13	0.37
150	386	406	251	0.28	0.125	0.30
185	441	463	281	0.22	0.125	0.26
240	520	546	324	0.175	0.125	0.21
300	599	628	365	0.14	0.12	0.185

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

FOR CABLES HAVING CONDUCTORS GREATER THAN 16MM² CROSS SECTIONAL AREA THE IMPEDANCE VALUES ARE GIVEN AS (MV/A/M)Z, TOGETHER WITH THE RESISTIVE COMPONENT (MV/A/M)R AND THE REACTIVE COMPONENT (MV/A/M)X.

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.