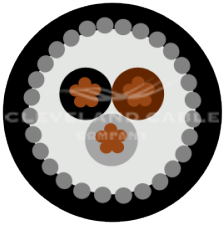


BS 5467 3 CORE ARMoured MAINS CABLE 3300V PVC



APPLICATION

Cleveland Cable Company stocks a large range of 3.3KV (3300V) 3 core mains cable available in sizes 16mm to 400mm and manufactured to British Standard BS5467. The 3 core mains cable is a medium voltage power cable designed to be buried for installation. The cable can also be used indoors and outdoors and in cable ducting.

CABLE STANDARDS

Flame propagation to BS EN/IEC 60332-1
BS 5467

CONSTRUCTION

Conductor: Class 2 stranded copper conductor acc BS EN 60228 (previously BS 6360)

Insulation: Cross Link Polyethylene (XLPE)

Bedding: Polyvinyl Chloride (PVC)

Armour: Steel Wire Armour (SWA)

Sheath: Polyvinyl Chloride PVC

CHARACTERISTICS

Voltage Rating: 1900/3300 Volts

Temperature Rating: Fixed -15°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 0°C or above +60°C

BS 5467 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	NYLON CLEAT
XLPE3X16/3	16	7/1.70	3	1600	29.5	32	1.2
XLPE3X25/3	25	7/2.14	3	2060	32.3	32	1.4
XLPE3X35/3	35	7/2.52	3	2330	35	40	1.4
XLPE3X50/3	50	19/1.78	3	3040	34.9	40	1.4
XLPE3X70/3	70	19/2.14	3	3800	38	40	1.6
XLPE3X95/3	95	19/2.52	3	4730	41.4	50S	1.8
XLPE3X120/3	120	37/2.03	3	6070	45.6	50S	1.8
XLPE3X150/3	150	37/2.25	3	7010	48.3	50	2
XLPE3X185/3	185	37/2.52	3	8270	51.6	50	TC9
XLPE3X240/3	240	61/2.25	3	10310	56.5	63S	TC9
XLPE3X300/3	300	61/2.52	3	12300	60.7	63	TC10
XLPE3X400/3	400	61/2.85	3	14780	65.8	75S	TC11

BS 5467 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 MVA/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	.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
400	673	728	-	0.115	0.120	0.165

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

SPACING'S LARGER THAN THOSE SPECIFIED WILL RESULT IN LARGER VOLT DROP.

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.