CLEVELAND CABLE COMPANY
A WORLD POWER IN CABLE SUPPLY

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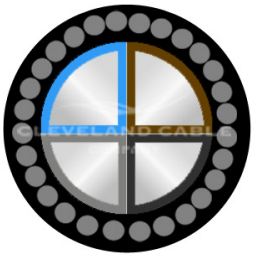
BS 5467 MAINS CABLE ALUMINIUM CONDUCTOR PVC



APPLICATION

BS5467 Solid Aluminium Core Mains Cable is suitable for use in power networks. The XLPE insulated cable is ideal for indoor and outdoor applications. The SWA provides mechanical protection and suitability to be installed both indoors and outdoors, through cable ducts and underground.

CABLE STANDARDS

Generally to BS 5467

Flame Propagation: BS EN 60332

CONSTRUCTION

Conductor: Solid Aluminium Conductor

Insulation: Cross Link Polyethylene (XLPE)

Bedding: Polyvinyl Chloride (PVC)

Armour: Galvanised Steel Wire Armour (SWA)

Sheath: Polyvinyl Chloride (PVC)

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Rating: Fixed: -15°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

4 Core: Brown Black Grey Blue

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

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BS 5467 SAC MAINS CABLE PVC - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	NO OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE (MM)	NYLON CLEAT SIZE
SAC4X70	70	4	2401	34.7	40	1.4
SAC4X95	95	4	2905	38.3	40	1.6
SAC4X120	120	4	3705	42.2	50S	1.8
SAC4X150	150	4	4550	46	50	2
SAC4X185	185	4	5076	51.1	50	TC9
SAC4X240	240	4	6104	56.4	63S	TC9
SAC4X300	300	4	7212	61.4	63	TC10

BS 5467 SAC MAINS CABLE PVC – ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS – SECTIONAL AREA	CURRENT CARRYING CAPACITY (AMPS)		RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM
	IN GROUND	IN AIR	
(MM^2)	(A)	(A)	(A)
70	196	189	0.443
95	234	232	0.320
120	268	270	0.253
150	300	308	0.206
185	342	357	0.164
240	398	435	0.125
300	450	499	0.100

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

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