

# BS5467 Solid Aluminium Core Mains Cable -SWA, PVC, 1kV - 25mm<sup>2</sup> to 300mm<sup>2</sup>



#### **Description**

BS5467 solid aluminium core, XLPE insulated mains cable is suitable for use in power networks. Ideal for indoor and outdoor applications. Steel Wire Armour (SWA) provides mechanical protection and suitability to be installed both indoors and outdoors, through cable ducts and underground.

### **Key Features**



Voltage Rating 600/1000 Volts



Minimum Bending Radius 18 x overall diameter



Flame Retardancy BS EN/IEC 60332



**Temperature Limits** Fixed: -25°C to +90°C

## **Core Colours**









#### **Standards**

- Generally to BS5467
- BS EN/IEC 60332-1-2
- BS EN/IEC 60502-1
- BS EN/IEC 60228

#### Construction

- Conductor: Class 1 Solid Aluminium
- Insulation: Cross Linked polyethylene (XLPE)
- Bedding: Polyvinyl Chloride (PVC)
- Armour: Steel Wire Armour (SWA)
- Outer Sheath: Polyvinyl Chloride (PVC)
- 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.







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

# ecovadis



















# BS5467 Solid Aluminium Core Mains Cable -SWA, PVC, 1kV - 25mm<sup>2</sup> to 300mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
SAC4X25	25	30 Pair	25.4	1235	1	25
SAC4X35	35	4	28.9	1515	1.2	32
SAC4X50	50	4	29.5	1686	1.2	32
SAC4X70	70	4	34.7	2401	1.4	40
SAC4X95	95	4	38.3	2905	1.6	40
SAC4X120	120	4	42.2	3705	1.8	50\$
SAC4X150	150	4	46	4550	2	50
SAC4X185	185	4	51.1	5076	TC9	50
SAC4X240	240	4	56.4	6104	TC9	635
SAC4X300	300	4	61.4	7212	TC10	63















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## BS 5467 SAC MAINS CABLE PVC - ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS SECTIONAL	CURRENT CARF (An	RESISTANCE OF CONDUCTOR AT 20°C		
AREA	IN GROUND	IN AIR	1	
(MM²)	(A)	(A)	Ω/KM	
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	
400	548	646	0.078	

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.



















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