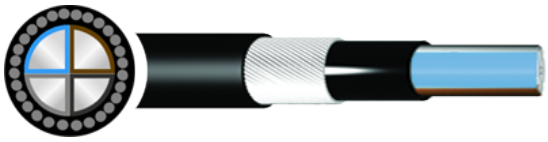
BS5467 Solid Aluminium Core Mains Cable -SWA, PVC, 1kV - 25mm² to 300mm²



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

4 core - Brown | Black | Grey | Blue

Standards

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

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

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

BS5467 Solid Aluminium Core Mains Cable -SWA, PVC, 1kV - 25mm² to 300mm² - 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	50S
SAC4X150	150	4	46	4550	2	50
SAC4X185	185	4	51.1	5076	TC9	50
SAC4X240	240	4	56.4	6104	TC9	63S
SAC4X300	300	4	61.4	7212	TC10	63

BS 5467 SAC MAINS CABLE PVC – ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS SECTIONAL AREA	CURRENT CARRYING CAPACITY (Amps)		RESISTANCE OF CONDUCTOR AT 20°C
	IN GROUND	IN AIR	
(MM^2)	(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.

31196