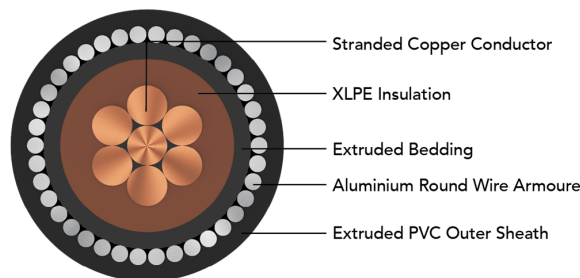


POLYCAB BS 5467 SC 3.3kV

Power Cable, 1.9/3.3 KV AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB BS 5467 SC stranded copper conductor thermosetting material insulated single core armoured cable fulfils the requirement as per BS EN 5467. These cables suitable for power network, underground in free-draining soil, outdoor and indoor applications, and cable ducting.

CHARACTERISTICS

Voltage Rating

1900/3300 V

Operation Temperature

Maximum operating: +90° C

Short circuit temperature 250°C

Bending Radius

Fixed installation – 6 x Overall Diameter

CONSTRUCTION

- Annealed stranded copper conductor as per IEC 60228, class 2
- Insulated with cross linked type GP8 to BS 7655-1.3 or type GP 6 to BS 7655-1.2
- Bedding shall be extruded layer of polymeric material.
- Armoured with Aluminium round wire armoured.
- Sheathed with PVC confirming to requirements for Type 9 to BS 7655-4.2

Core Identification

Brown or Blue

OUTSTANDING FEATURES

- Low smoke emission
- Flame propagation
- Resistance to weather exposure

STANDARD FOLLOWS

IEC 60228

BS 7655-1.3/1.2

BS 7655-4.2

BS 5467

EN 50265

COMPLIANCE

Conductor Resistance test - IEC 60228

Insulation Resistance test - BS 5467

Spark test - BS EN 5099

Smoke emission test - BS EN 61034

Flame propagation test - BS EN 50265-2-1

OUR ACCREDITATIONS



APPROVAL



WEIGHT & DIMENSION DATA :

Product Code	Size of Conductor mm ²	Nominal insulation Thickness mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
MVBS10CXAWEY2001C050S	50	2	20.6	896	DBW - 03/DBF - 03
MVBS10CXAWEY2001C070S	70	2	22.4	1122	DBW - 03/DBF - 03
MVBS10CXAWEY2001C095S	95	2	24.3	1405	DBW - 04A/DBF - 04A
MVBS10CXAWEY2001C120S	120	2	27.2	1775	DBW - 05A/DBF - 05A
MVBS10CXAWEY2001C150S	150	2	28.8	2102	DBW - 05A/DBF - 05A
MVBS10CXAWEY2001C185S	185	2	30.8	2489	DBW - 06A/DBF - 06A
MVBS10CXAWEY2001C240S	240	2	33.5	3104	DBW - 07/DBF - 07
MVBS10CXAWEY2001C300S	300	2	36.1	3752	DBW - 07/DBF - 07
MVBS10CXAWEY2001C400S	400	2	40.5	4895	DBW - 08/DBF - 08
MVBS10CXAWEY2001C500S	500	2.2	44.2	5990	DBW - 09/DBF - 09
MVBS10CXAWEY2001C630S	630	2.4	48.8	7432	DBW - 010A/DBF - 010A

- DBW – Weatherproof series
- DBF – Flame proof series

Electrical characteristics

Current carrying capacity and maximum DC conductor resistance.

Nominal cross sectional area	Reference Method C (clipped direct)	Reference Method E (in free air or on a perforated cable tray etc, horizontal or vertical)	Reference Method D (direct in ground or in ducting in ground, in or around buildings)	Maximum DC conductor resistance at 20°C
mm ²	1 three-or 1 four-core cable, three-phase a.c. Amp.	1 three-or 1 four-core cable, three-phase a.c. Amp.	1 three-or 1 four-core cable, three-phase a.c. Amp.	Ω/km
50	187	197	135	0.387
70	238	251	167	0.268
95	289	304	197	0.193
120	335	353	223	0.153
150	386	406	251	0.124
185	441	463	281	0.0991
240	520	546	324	0.0754
300	599	628	365	0.0601
400	-	-	-	0.047
500	-	-	-	0.0366
630	-	-	-	0.0283

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Ambient temperature: 30°C, Ambient ground temperature: 20°C, Conductor operating temperature: 90°C
Note * Where cables in this table are connected to equipment or accessories designed to operate at a temperature not exceeding 70°C , the current ratings given in the equivalent table for 70°C thermoplastic insulated cables (Table 4D4A) must be used.
The above table is in accordance with Table 4E4A of BS 7671:2018

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable

Ambient temperature	35°C to 50°C	55°C	60°C	65°C	70°C
De-Rating factor	1	0.96	0.83	0.67	0.47

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