



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB 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	POLY CAB/DOWEL Gland Size
MVBS10CXAWY2001C050S	50	2	20.6	896	DBW - 03/DBF - 03
MVBS10CXAWY2001C070S	70	2	22.4	1122	DBW - 03/DBF - 03
MVBS10CXAWY2001C095S	95	2	24.3	1405	DBW - 04A/DBF - 04A
MVBS10CXAWY2001C120S	120	2	27.2	1775	DBW - 05A/DBF - 05A
MVBS10CXAWY2001C150S	150	2	28.8	2102	DBW - 05A/DBF - 05A
MVBS10CXAWY2001C185S	185	2	30.8	2489	DBW - 06A/DBF - 06A
MVBS10CXAWY2001C240S	240	2	33.5	3104	DBW - 07/DBF - 07
MVBS10CXAWY2001C300S	300	2	36.1	3752	DBW - 07/DBF - 07
MVBS10CXAWY2001C400S	400	2	40.5	4895	DBW - 08/DBF - 08
MVBS10CXAWY2001C500S	500	2.2	44.2	5990	DBW - 09/DBF - 09
MVBS10CXAWY2001C630S	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	Amp.	Amp.	Amp.	Ω/km
50	1 three-or 1 four-core cable, three-phase a.c.	187	197	135	0.387
70	1 three-or 1 four-core cable, three-phase a.c.	238	251	167	0.268
95	1 three-or 1 four-core cable, three-phase a.c.	289	304	197	0.193
120	1 three-or 1 four-core cable, three-phase a.c.	335	353	223	0.153
150	1 three-or 1 four-core cable, three-phase a.c.	386	406	251	0.124
185	1 three-or 1 four-core cable, three-phase a.c.	441	463	281	0.0991
240	1 three-or 1 four-core cable, three-phase a.c.	520	546	324	0.0754
300	1 three-or 1 four-core cable, three-phase a.c.	599	628	365	0.0601
400	1 three-or 1 four-core cable, three-phase a.c.	-	-	-	0.047
500	1 three-or 1 four-core cable, three-phase a.c.	-	-	-	0.0366
630	1 three-or 1 four-core cable, three-phase a.c.	-	-	-	0.0283

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POLY CAB BS 5467 SC 3.3kV Power Cable, 1.9/3.3 KV AC

POLY CAB
IDEAS. CONNECTED.

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