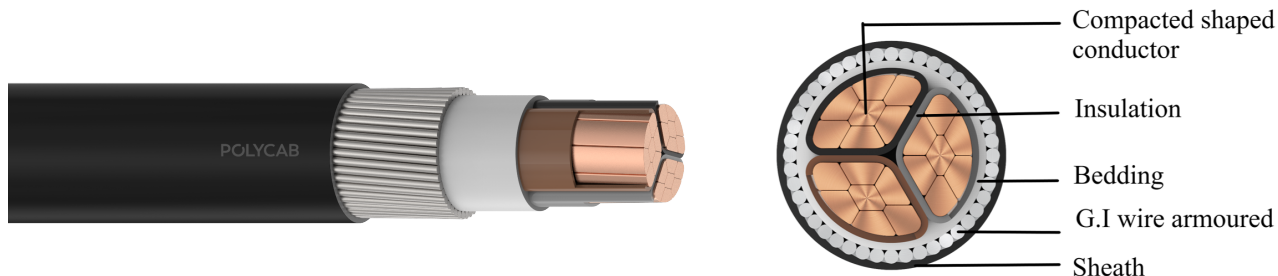


POLYCAB BS 5467 MC (SHAPED CONDUCTOR)

Power Cable, 1.9/3.3 KV AC

POLYCAB
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB BS 5467 MC Stranded sector shaped copper conductor thermosetting material insulated Multi core armoured cable fulfils the requirement as per BS EN 5467. These cables are suitable for fixed installation in industrial area, buildings, Power network in underground, outdoor, indoor and similar application where mechanical protection is required.

CHARACTERISTICS

Voltage Rating

1900/3300 V

Operation Temperature

Fixed: -15°C to +90° C

Short circuit temperature 250°C

Bending Radius

Fixed installation- 12 x Overall diameter

CONSTRUCTION

- Annealed compacted 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 Galvanised steel wire
- Sheathed with PVC conforming to Type 9 of BS 7655-4.2

Core Identification

Three Core – Brown, Black & Grey

Test Voltage

11250V AC at (20±5) °C

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



POLYCAB BS 5467 MC (SHAPED CONDUCTOR)

Power Cable, 1.9/3.3 KV AC

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
MVBS10CXSWY2003C035S	35	2	31.1	2251	DBW - 06A/DBF - 06A
MVBS10CXSWY2003C050S	50	2	34.7	3063	DBW - 07/DBF - 07
MVBS10CXSWY2003C070S	70	2	38	3799	DBW - 08/DBF - 08
MVBS10CXSWY2003C095S	95	2	41.4	4715	DBW - 09/DBF - 09
MVBS10CXSWY2003C120S	120	2	45.7	5973	DBW - 09/DBF - 09
MVBS10CXSWY2003C150S	150	2	48.5	7088	DBW - 010A/DBF - 010A
MVBS10CXSWY2003C185S	185	2	51.9	8286	DBW - 010A/DBF - 010A
MVBS10CXSWY2003C240S	240	2	56.9	10248	DBW - 011/DBF - 011
MVBS10CXSWY2003C300S	300	2	61.2	12258	DBW - 012/DBF - 012
MVBS10CXSWY2003C400S	400	2	66.6	14718	DBW - 013A/DBF - 013A

- DBW – Weather proof series
- DBF – Flame proof series

Electrical characteristics :

Current carrying capacity

Nominal cross sectional area	Clipped direct	In free air on a perforated cable tray etc, horizontal or vertical at 30°C	Direct in ground or in ducting in ground, in or around buildings at 20°C	Max. resistance of conductor 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
35	154	162	115	0.524
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

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Nominal cross sectional area	Clipped direct	In free air on a perforated cable tray etc, horizontal or vertical at 30°C	Direct in ground or in ducting in ground, in or around buildings at 20°C	Max. resistance of conductor 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
400	-	-	-	0.047

Ambient temperature: 30°C

Ground ambient 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 thermoplastic insulated cable (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