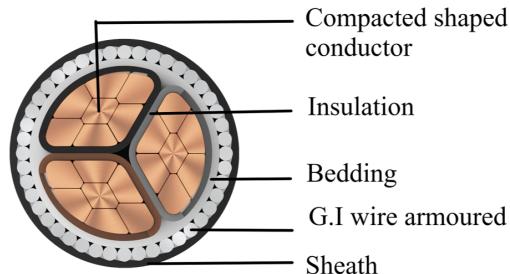


# POLY CAB BS 5467 MC (SHAPED CONDUCTOR) Power Cable, 1.9/3.3 KV AC

**POLY CAB**  
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB BS 5467 MC Stranded sector shaped copper conductor thermosetting material insulated Multi core armoured cable fulfills 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 confirming 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



**WEIGHT & DIMENSION DATA :**

Product Code	Size of Conductor mm <sup>2</sup>	Nominal insulation Thickness mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLY CAB/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 1 three-or 1 four-core cable, three-phase a.c.	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
		Amp.	Amp.	
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

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
	1 three-or 1 four-core cable, three-phase a.c.	1 three-or 1 four-core cable, three-phase a.c.	1 three-or 1 four-core cable, three-phase a.c.	
mm <sup>2</sup>	Amp.	Amp.	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