



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB BS 5467 MC stranded copper conductor with thermosetting insulation 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 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 ²	Number of Core	Nominal insulation Thickness mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLY CAB/DOWEL Gland Size
MVBS10CXSWY2003C010S	10	3	2	26.9	1461	DBW-05A/DBF-05A
MVBS10CXSWY2003C016S	16	3	2	29.3	1774	DBW-05A/DBF-05A
MVBS10CXSWY2003C025S	25	3	2	32.2	2241	DBW-06A/DBF-06A
MVBS10CXSWY2003C035S	35	3	2	34.8	2695	DBW-07/DBF-07

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

Electrical characteristics

Current carrying capacity and Maximum Dc conductor resistance.

Nominal cross sectional area mm ²	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 Ω/km
	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.	
10	73	78	58	1.83
16	94	99	75	1.15
25	124	131	96	0.727
35	154	162	115	0.524

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 17th edition of IEE wiring regulations.

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