



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB CLASSIC 100, fine wire flexible copper conductor, PVC insulated and sheathed cable is designed to use in Industrial application such as plant engineering, industrial machinery, power station and also suitable to use in dry or damp area with medium mechanical loads & in wind turbine generator.

## CHARACTERISTICS

**Voltage Rating**  
U0/U: 450/750 V

**Operation Temperature**  
-15°C to +70°C

## CONSTRUCTION

- Conductor: Class 5 Bare Copper conductor according to IEC 60228/VDE 0295
- Insulation: Inhouse developed PVC compound
- Laid up: Cores laid up
- Sheath: Inhouse developed PVC compound. Colour: Gray

## Core Identification

Up to 5 core colour code is according to VDE 0293-308  
From 6 core colour code is according to annexure 1

## Bending Radius

Fixed installation: 6 X D  
Occasional flexing: 10 X D

## OUTSTANDING FEATURES

- Flame retardant
- UV resistant
- Moisture resistant

## STANDARD FOLLOWS

IEC 60228/VDE 0295  
IEC 60227-7  
BS EN 50525 (Part 2-51) 2011  
BS EN 50525 (Part 2-31) 2011

## COMPLIANCE

|                      |               |
|----------------------|---------------|
| Conductor resistance | IEC 60228     |
| Flame retardant      | IEC 60332-1-2 |

## Test Voltage

Voltage test on complete cable at 2000 V

## OUR ACCREDITATIONS



# POLY CAB CLASSIC 100 450/750 V

## Industrial Cable, 450/750 V

**POLY CAB**  
IDEAS. CONNECTED.

### Dimensional Characteristics:

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight Approx. | No. x sq.mm. | mm | Kg/km |
|----------------------|---------------------|--------------------------|----------------|--------------|----|-------|
|                      |                     |                          |                |              |    |       |
| LVBS06CYUAYF002C2.5S | 2 X 2.5             | 9.1                      | 140.4          |              |    |       |
| LVBS06CYUAYF003C2.5S | 3 G 2.5             | 9.7                      | 168.6          |              |    |       |
| LVBS06CYUAYF003C2.5S | 3 X 2.5             | 9.7                      | 168.6          |              |    |       |
| LVBS06CYUAYF004C2.5S | 4 G 2.5             | 10.8                     | 213.6          |              |    |       |
| LVBS06CYUAYF005C2.5S | 5 G 2.5             | 12.1                     | 234.9          |              |    |       |
| LVBS06CYUAYF007C2.5S | 7 G 2.5             | 13.4                     | 303.7          |              |    |       |
| LVBS06CYUAYF008C2.5S | 8 G 2.5             | 15.2                     | 354.5          |              |    |       |
| LVBS06CYUAYF002C004S | 2 X 4.0             | 10.1                     | 184.7          |              |    |       |
| LVBS06CYUAYF003C004S | 3 G 4.0             | 11                       | 231.7          |              |    |       |
| LVBS06CYUAYF004C004S | 4 G 4.0             | 12.2                     | 294            |              |    |       |
| LVBS06CYUAYF005C004S | 5 G 4.0             | 13.7                     | 324.5          |              |    |       |
| LVBS06CYUAYF007C004S | 7 G 4.0             | 15.1                     | 422.1          |              |    |       |
| LVBS06CYUAYF003C006S | 3 G 6.0             | 12.4                     | 311.6          |              |    |       |
| LVBS06CYUAYF004C006S | 4 G 6.0             | 13.8                     | 395.8          |              |    |       |
| LVBS06CYUAYF005C006S | 5 G 6.0             | 15.4                     | 438.4          |              |    |       |
| LVBS06CYUAYF007C006S | 7 G 6.0             | 16.9                     | 572.9          |              |    |       |
| LVBS06CYUAYF003C010S | 3 G 10.0            | 15.2                     | 503.7          |              |    |       |
| LVBS06CYUAYF004C010S | 4 G 10.0            | 16.9                     | 640.5          |              |    |       |
| LVBS06CYUAYF005C010S | 5 G 10.0            | 19                       | 721.1          |              |    |       |
| LVBS06CYUAYF007C010S | 7 G 10.0            | 21                       | 944.9          |              |    |       |
| LVBS06CYUAYF003C016S | 3 G 16.0            | 17.7                     | 725            |              |    |       |

Above values are approximate and subject to standard manufacturing tolerance

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight Approx. | No. x sq.mm. | mm | Kg/km |
|----------------------|---------------------|--------------------------|----------------|--------------|----|-------|
|                      |                     |                          |                |              |    |       |
| LVBS06CYUAYF004C016S | 4 G 16.0            | 19.6                     | 923.3          |              |    |       |
| LVBS06CYUAYF005C016S | 5 G 16.0            | 22                       | 1041.8         |              |    |       |
| LVBS06CYUAYF003C025S | 3 G 25.0            | 21.5                     | 1097.3         |              |    |       |
| LVBS06CYUAYF004C025S | 4 G 25.0            | 24                       | 1411.7         |              |    |       |
| LVBS06CYUAYF005C025S | 5 G 25.0            | 26.8                     | 1587.3         |              |    |       |
| LVBS06CYUAYF003C035S | 3 G 35.0            | 24.2                     | 1478.7         |              |    |       |
| LVBS06CYUAYF004C035S | 4 G 35.0            | 27.1                     | 1903           |              |    |       |
| LVBS06CYUAYF005C035S | 5 G 35.0            | 30.2                     | 2147.2         |              |    |       |
| LVBS06CYUAYF003C050S | 3 G 50.0            | 28.7                     | 2095.2         |              |    |       |
| LVBS06CYUAYF004C050S | 4 G 50.0            | 32.2                     | 2709.9         |              |    |       |
| LVBS06CYUAYF005C050S | 5 G 50.0            | 35.8                     | 3051.2         |              |    |       |
| LVBS06CYUAYF003C070S | 3 G 70.0            | 33                       | 2870.4         |              |    |       |
| LVBS06CYUAYF004C070S | 4 G 70.0            | 37                       | 3708.4         |              |    |       |
| LVBS06CYUAYF005C070S | 5 G 70.0            | 41.3                     | 4203.8         |              |    |       |
| LVBS06CYUAYF003C095S | 3 G 95.0            | 38.2                     | 3796.7         |              |    |       |
| LVBS06CYUAYF004C095S | 4 G 95.0            | 42.6                     | 4892.8         |              |    |       |
| LVBS06CYUAYF005C095S | 5 G 95.0            | 47.5                     | 5527.1         |              |    |       |
| LVBS06CYUAYF003C120S | 3 G 120.0           | 41.6                     | 4695.6         |              |    |       |
| LVBS06CYUAYF004C120S | 4 G 120.0           | 46.6                     | 6080           |              |    |       |
| LVBS06CYUAYF004C150S | 4 G 150.0           | 51.7                     | 7558.3         |              |    |       |
| LVBS06CYUAYF004C185S | 4 G 185.0           | 57.4                     | 9216.1         |              |    |       |