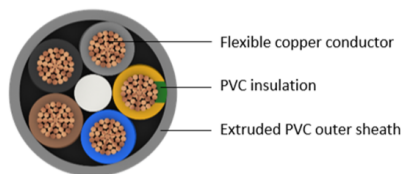


# POLYCAB CLASSIC 100

## Industrial Cable, 300/500 V



Images not to scale. Follow table for dimensions

### APPLICATION

POLYCAB 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: 300/500 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

Upto 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
- Excellent low temperature withstand capacity

### STANDARD FOLLOWS

IEC 60228/VDE 0295

IEC 60227-7

BS EN 50525 (Part 2-51) 2011

VDE 0281 Part-13

### COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

#### Test Voltage

Voltage test on complete cable at 2000 V

### OUR ACCREDITATIONS



Dimensional Characteristics:

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight |
|----------------------|---------------------|--------------------------|--------|
|                      | No. x sq.mm.        | Approx. mm               | Kg/km  |
| LVBS04CYUAYF002C0.5S | 2 X 0.5             | 4.8                      | 36.7   |
| LVBS04CYUAYF003C0.5S | 3 G 0.5             | 5.3                      | 45.8   |
| LVBS04CYUAYF003C0.5S | 3 X 0.5             | 5.3                      | 45.8   |
| LVBS04CYUAYF004C0.5S | 4 G 0.5             | 5.7                      | 55.4   |
| LVBS04CYUAYF004C0.5S | 4 X 0.5             | 5.7                      | 55.4   |
| LVBS04CYUAYF005C0.5S | 5 G 0.5             | 6.3                      | 59.6   |
| LVBS04CYUAYF005C0.5S | 5 X 0.5             | 6.3                      | 59.6   |
| LVBS04CYUAYF006C0.5S | 6 G 0.5             | 6.8                      | 70.7   |
| LVBS04CYUAYF007C0.5S | 7 G 0.5             | 6.8                      | 74     |
| LVBS04CYUAYF008C0.5S | 8 G 0.5             | 7.6                      | 84.3   |
| LVBS04CYUAYF010C0.5S | 10 G 0.5            | 8.8                      | 109.9  |
| LVBS04CYUAYF012C0.5S | 12 G 0.5            | 9.1                      | 121.9  |
| LVBS04CYUAYF014C0.5S | 14 G 0.5            | 9.5                      | 138.6  |
| LVBS04CYUAYF016C0.5S | 16 G 0.5            | 10                       | 156.2  |
| LVBS04CYUAYF021C0.5S | 21 G 0.5            | 11.3                     | 200.1  |
| LVBS04CYUAYF024C0.5S | 24 G 0.5            | 12.5                     | 230.5  |
| LVBS04CYUAYF040C0.5S | 40 G 0.5            | 15.1                     | 358.8  |
| LVBS04CYUAYF002C.75S | 2 X 0.75            | 5.4                      | 47.7   |
| LVBS04CYUAYF003C.75S | 3 G 0.75            | 5.7                      | 56.7   |
| LVBS04CYUAYF003C.75S | 3 X 0.75            | 5.7                      | 56.7   |
| LVBS04CYUAYF004C.75S | 4 G 0.75            | 6.2                      | 69.2   |
| LVBS04CYUAYF004C.75S | 4 X 0.75            | 6.2                      | 69.2   |
| LVBS04CYUAYF005C.75S | 5 G 0.75            | 6.9                      | 74.7   |
| LVBS04CYUAYF005C.75S | 5 X 0.75            | 6.9                      | 74.7   |
| LVBS04CYUAYF006C.75S | 6 G 0.75            | 7.5                      | 89     |
| LVBS04CYUAYF007C.75S | 7 G 0.75            | 7.5                      | 93.9   |
| LVBS04CYUAYF008C.75S | 8 G 0.75            | 8.5                      | 111.1  |
| LVBS04CYUAYF009C.75S | 9 G 0.75            | 9.2                      | 123.8  |
| LVBS04CYUAYF010C.75S | 10 G 0.75           | 9.6                      | 139.2  |

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight |
|----------------------|---------------------|--------------------------|--------|
|                      | No. x sq.mm.        | mm                       | Kg/km  |
| LVBS04CYUAYF012C001S | 12 G 1.0            | 10.8                     | 196.7  |
| LVBS04CYUAYF016C001S | 16 G 1.0            | 12                       | 249.4  |
| LVBS04CYUAYF018C001S | 18 G 1.0            | 12.6                     | 279.2  |
| LVBS04CYUAYF020C001S | 20 G 1.0            | 13.5                     | 307.9  |
| LVBS04CYUAYF025C001S | 25 G 1.0            | 14.9                     | 380.3  |
| LVBS04CYUAYF002C1.5S | 2 X 1.5             | 6.6                      | 75.4   |
| LVBS04CYUAYF003C1.5S | 3 G 1.5             | 7                        | 91.3   |
| LVBS04CYUAYF003C1.5S | 3 X 1.5             | 7                        | 91.3   |
| LVBS04CYUAYF004C1.5S | 4 G 1.5             | 7.6                      | 112.9  |
| LVBS04CYUAYF004C1.5S | 4 X 1.5             | 7.6                      | 112.9  |
| LVBS04CYUAYF005C1.5S | 5 G 1.5             | 8.6                      | 126.1  |
| LVBS04CYUAYF005C1.5S | 5 X 1.5             | 8.6                      | 126.1  |
| LVBS04CYUAYF007C1.5S | 7 G 1.5             | 9.4                      | 160.4  |
| LVBS04CYUAYF008C1.5S | 8 G 1.5             | 10.8                     | 188.3  |
| LVBS04CYUAYF012C1.5S | 12 G 1.5            | 12.6                     | 271.9  |
| LVBS04CYUAYF014C1.5S | 14 G 1.5            | 13.4                     | 312.5  |
| LVBS04CYUAYF018C1.5S | 18 G 1.5            | 14.9                     | 396.7  |
| LVBS04CYUAYF025C1.5S | 25 G 1.5            | 17.7                     | 540    |
| LVBS04CYUAYF002C2.5S | 2 X 2.5             | 8                        | 115.1  |
| LVBS04CYUAYF003C2.5S | 3 G 2.5             | 8.5                      | 140.7  |
| LVBS04CYUAYF004C2.5S | 4 G 2.5             | 9.3                      | 176.8  |
| LVBS04CYUAYF005C2.5S | 5 G 2.5             | 10.3                     | 189.1  |
| LVBS04CYUAYF007C2.5S | 7 G 2.5             | 11.5                     | 249.1  |
| LVBS04CYUAYF002C004S | 2 X 4.0             | 9.7                      | 173.9  |
| LVBS04CYUAYF003C004S | 3 G 4.0             | 10.5                     | 219.4  |
| LVBS04CYUAYF004C004S | 4 G 4.0             | 11.6                     | 273.3  |
| LVBS04CYUAYF005C004S | 5 G 4.0             | 12.8                     | 294.9  |
| LVBS04CYUAYF007C004S | 7 G 4.0             | 14.2                     | 388.5  |
| LVBS04CYUAYF003C006S | 3 G 6.0             | 11.9                     | 296.8  |

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight |
|----------------------|---------------------|--------------------------|--------|
|                      | No. x sq.mm.        | Approx. mm               | Kg/km  |
| LVBS04CYUAYF012C.75S | 12 G 0.75           | 9.9                      | 155.6  |
| LVBS04CYUAYF015C.75S | 15 G 0.75           | 11.2                     | 196.7  |
| LVBS04CYUAYF018C.75S | 18 G 0.75           | 11.8                     | 230.5  |
| LVBS04CYUAYF021C.75S | 21 G 0.75           | 12.4                     | 257.8  |
| LVBS04CYUAYF025C.75S | 25 G 0.75           | 13.9                     | 313.4  |
| LVBS04CYUAYF040C.75S | 40 G 0.75           | 16.7                     | 474.6  |
| LVBS04CYUAYF050C.75S | 50 G 0.75           | 18.9                     | 594.2  |
| LVBS04CYUAYF002C001S | 2 X 1.0             | 5.7                      | 55.8   |
| LVBS04CYUAYF003C001S | 3 G 1.0             | 6.1                      | 66.9   |
| LVBS04CYUAYF003C001S | 3 X 1.0             | 6.1                      | 66.9   |
| LVBS04CYUAYF004C001S | 4 G 1.0             | 6.6                      | 82.2   |
| LVBS04CYUAYF004C001S | 4 X 1.0             | 6.6                      | 82.2   |
| LVBS04CYUAYF005C001S | 5 G 1.0             | 7.3                      | 89.1   |
| LVBS04CYUAYF005C001S | 5 X 1.0             | 7.3                      | 89.1   |
| LVBS04CYUAYF006C001S | 6 G 1.0             | 8.1                      | 110.3  |
| LVBS04CYUAYF007C001S | 7 G 1.0             | 8.1                      | 116.9  |
| LVBS04CYUAYF008C001S | 8 G 1.0             | 9.1                      | 133.2  |
| LVBS04CYUAYF010C001S | 10 G 1.0            | 10.3                     | 167.3  |

Above values are approximate and subject to standard manufacturing tolerance

| Product Code         | No. of Cores x Area | Nominal Overall diameter | Weight |
|----------------------|---------------------|--------------------------|--------|
|                      | No. x sq.mm.        | mm                       | Kg/km  |
| LVBS04CYUAYF004C006S | 4 G 6.0             | 13.3                     | 377.7  |
| LVBS04CYUAYF005C006S | 5 G 6.0             | 14.9                     | 418.9  |
| LVBS04CYUAYF007C006S | 7 G 6.0             | 16.5                     | 551.4  |
| LVBS04CYUAYF003C010S | 3 G 10.0            | 14.7                     | 483.6  |
| LVBS04CYUAYF004C010S | 4 G 10.0            | 16.4                     | 617.8  |
| LVBS04CYUAYF005C010S | 5 G 10.0            | 18.4                     | 689    |
| LVBS04CYUAYF003C016S | 3 G 16.0            | 17.1                     | 696.8  |
| LVBS04CYUAYF004C016S | 4 G 16.0            | 19.1                     | 904.3  |
| LVBS04CYUAYF005C016S | 5 G 16.0            | 21.4                     | 1002.9 |
| LVBS04CYUAYF003C025S | 3 G 25.0            | 21                       | 1082.5 |
| LVBS04CYUAYF004C025S | 4 G 25.0            | 23.4                     | 1387.4 |
| LVBS04CYUAYF005C025S | 5 G 25.0            | 26.2                     | 1540.4 |
| LVBS04CYUAYF003C035S | 3 G 35.0            | 23.7                     | 1460.2 |
| LVBS04CYUAYF004C035S | 4 G 35.0            | 26.5                     | 1855.4 |
| LVBS04CYUAYF005C035S | 5 G 35.0            | 29.6                     | 2096.5 |
| LVBS04CYUAYF003C050S | 3 G 50.0            | 28.1                     | 2047.7 |
| LVBS04CYUAYF004C050S | 4 G 50.0            | 31.4                     | 2637.2 |
| LVBS04CYUAYF005C050S | 5 G 50.0            | 35.1                     | 2980.6 |