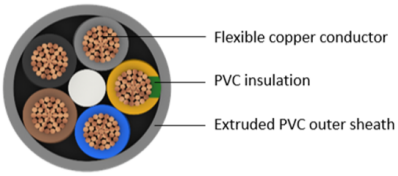
# POLYCAB CLASSIC 100
## Industrial Cable, 300/500 V


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° Cl

## 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 annexture 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

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## Industrial Cable, 300/500 V

POLYCAB
IDEAS. CONNECTED.

Dimensional Characteristics:

| Product Code | No. of Cores x Area | Nominal Overall diameter | Weight |
|---|---|---|---|
| | | Approx. | |
| | No. x sq.mm. | 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 |

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| Product Code | No. of Cores x Area | Nominal Overall diameter | Weight |
|---|---|---|---|
| | | Approx. | |
| | No. x sq.mm. | 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 |

| 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 |

Above values are approximate and subject to standard manufacturing tolerance