



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB CLASSIC 110 CY, fine wire flexible copper conductor, PVC insulated, Tinned copper wire braiding with transparent PVC outer sheath is designed to use for Plant engineering, Industrial machinery, Heat & air-conditioning system. Also suitable for conveyor & transport system and EMC (Electromagnetic compatibility) sensitive environment.

## CHARACTERISTICS

### Voltage Rating

U0/U: 300/500 V

### Operation Temperature

-15°C to + 90° C

## CONSTRUCTION

- Conductor: Fine wire stranded bare copper conductor as per IEC 60228/VDE 0295, class 5
- Insulation: In-house developed special PVC compound
- Laid up: insulated core laid suitably.
- Inner Sheath: PVC inner sheath (Colour: Grey)
- Sheath: In-house developed transparent PVC compound (Colour: Transparent)

### Core Identification

Black with white numbering according to VDE 0293-334

### Bending Radius

Occasional flexing 10 x Overall diameter

Fixed installation 6 x Overall diameter

### Test Voltage

2 kV (completed cable)

## OUTSTANDING FEATURES

- Flame Retardant
- Ozone resistant
- UV resistant
- Electromagnetic compatibility

## STANDARD FOLLOWS

IEC 60228/VDE 0295

BS EN 50525-2-51

IEC 60227-5

VDE 0281-13

## COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

## OUR ACCREDITATIONS



# POLY CAB CLASSIC 110 CY

## Screened Control Cable, 300/500 V AC

**POLY CAB**  
IDEAS. CONNECTED.

### Weight & Dimension Data

| Product Code            | No. of core and cross section area | Overall diameter<br>(Approx.) | Weight<br>(Approx.) | Product Code          | No. of core and cross section area | Overall diameter<br>(Approx.) | Weight<br>(Approx.) |
|-------------------------|------------------------------------|-------------------------------|---------------------|-----------------------|------------------------------------|-------------------------------|---------------------|
|                         |                                    |                               |                     |                       |                                    |                               |                     |
|                         |                                    | n x mm <sup>2</sup>           | mm                  | Kg/km                 |                                    | n x mm <sup>2</sup>           | mm                  |
|                         |                                    |                               |                     |                       |                                    |                               | Kg/km               |
| LDBS04CYUAYF1002C0.5S   | 2 X 0.5                            | 6.8                           | 78                  | LDBS04CYUAYF1002C01S  | 2 X 1                              | 7.7                           | 101                 |
| LDBS04CYUAYF1003C0.5S   | 3 G 0.5                            | 7.1                           | 87                  | LDBS04CYUAYF1003C01S  | 3 G 1                              | 8.1                           | 116                 |
| LDBS04CYUAYF1003C0.5S   | 3 X 0.5                            | 7.1                           | 87                  | LDBS04CYUAYF1003C01S  | 3 X 1                              | 8.1                           | 116                 |
| LDBS04CYUAYF1004C0.5S   | 4 G 0.5                            | 7.7                           | 101                 | LDBS04CYUAYF1004C01S  | 4 G 1                              | 8.7                           | 138                 |
| LDBS04CYUAYF1004C.5S    | 4 X 0.5                            | 7.7                           | 101                 | LDBS04CYUAYF1004C01S  | 4 X 1                              | 8.7                           | 138                 |
| LDBS04CYUAYF1005C0.5S   | 5 G 0.5                            | 8.2                           | 109                 | LDBS04CYUAYF1005C01S  | 5 G 1                              | 9.4                           | 150                 |
| LDBS04CYUAYF1005C0.5S   | 5 X 0.5                            | 8.2                           | 109                 | LDBS04CYUAYF1007C01S  | 7 G 1                              | 10.2                          | 180                 |
| LDBS04CYUAYF1007C0.5S   | 7 G 0.5                            | 8.9                           | 128                 | LDBS04CYUAYF1012C01S  | 12 G 1                             | 13.4                          | 304                 |
| LDBS04CYUAYF1007C0.5S   | 7 X 0.5                            | 8.9                           | 128                 | LDBS04CYUAYF1016C01S  | 16 G 1                             | 14.8                          | 377                 |
| LDBS04CYUAYF1012C0.5S   | 12 G 0.5                           | 11.3                          | 196                 | LDBS04CYUAYF1018C01S  | 18 G 1                             | 15.5                          | 416                 |
| LDBS04CYUAYF1012C0.5S   | 12 X 0.5                           | 11.3                          | 196                 | LDBS04CYUAYF1025C01S  | 25 G 1                             | 18.3                          | 556                 |
| LDBS04CYUAYF1018C0.5S   | 18 G 0.5                           | 13.3                          | 288                 | LDBS04CYUAYF1034C01S  | 34 G 1                             | 20.8                          | 712                 |
| LDBS04CYUAYF1025C0.5S   | 25 G 0.5                           | 15.4                          | 373                 | LDBS04CYUAYF1041C01S  | 41 G 1                             | 22.5                          | 832                 |
| LDBS04CYUAYF1030C.5S    | 30 G 0.5                           | 16.3                          | 421                 | LDBS04CYUAYF1050C01S  | 50 G 1                             | 24.4                          | 993                 |
| LDBS04CYUAYF1040C0.5S   | 40 G 0.5                           | 18.4                          | 538                 | LDBS04CYUAYF1002C1.5S | 2 X 1.5                            | 8.7                           | 131                 |
| LDBS04CYUAYF1002C0.75S  | 2 X 0.75                           | 7.2                           | 89                  | LDBS04CYUAYF1003C1.5S | 3 G 1.5                            | 9.2                           | 151                 |
| LDBS04CYUAYF1003C0.75S  | 3 G 0.75                           | 7.6                           | 101                 | LDBS04CYUAYF1003C1.5S | 3 X 1.5                            | 9.2                           | 151                 |
| LDBS04CYUAYF1003C0.75S  | 3 X 0.75                           | 7.6                           | 101                 | LDBS04CYUAYF1004C1.5S | 4 G 1.5                            | 10                            | 181                 |
| LDBS04CYUAYF1004C0.775S | 4 G 0.75                           | 8.2                           | 119                 | LDBS04CYUAYF1004C1.5S | 4 X 1.5                            | 10                            | 181                 |
| LDBS04CYUAYF1004C0.75S  | 4 X 0.75                           | 8.2                           | 119                 | LDBS04CYUAYF1005C1.5S | 5 G 1.5                            | 10.8                          | 197                 |
| LDBS04CYUAYF1005C0.75S  | 5 G 0.75                           | 8.8                           | 129                 | LDBS04CYUAYF1005C1.5S | 5 X 1.5                            | 10.8                          | 197                 |
| LDBS04CYUAYF1005C0.75S  | 5 X 0.75                           | 8.8                           | 129                 | LDBS04CYUAYF1007C1.5S | 7 G 1.5                            | 12                            | 246                 |
| LDBS04CYUAYF1007C0.75S  | 7 G 0.75                           | 9.5                           | 154                 | LDBS04CYUAYF1007C1.5S | 7 X 1.5                            | 12                            | 246                 |

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**POLY CAB CLASSIC 110 CY**  
**Screened Control Cable, 300/500 V AC**

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 IDEAS. CONNECTED.

| Product Code           | No. of core and cross section area | Overall diameter<br>(Approx.) | Weight<br>(Approx.) | Product Code          | No. of core and cross section area | Overall diameter<br>(Approx.) | Weight<br>(Approx.) |
|------------------------|------------------------------------|-------------------------------|---------------------|-----------------------|------------------------------------|-------------------------------|---------------------|
|                        |                                    |                               |                     |                       |                                    |                               |                     |
|                        |                                    | n x mm <sup>2</sup>           | mm                  | Kg/km                 |                                    | n x mm <sup>2</sup>           | mm                  |
|                        |                                    |                               |                     |                       |                                    |                               | Kg/km               |
| LDBS04CYUAYF1007C0.75S | 7 X 0.75                           | 9.5                           | 154                 | LDBS04CYUAYF1012C1.5S | 12 G 1.5                           | 15.6                          | 408                 |
| LDBS04CYUAYF1012C0.75S | 12 G 0.75                          | 12.4                          | 245                 | LDBS04CYUAYF1018C1.5S | 18 G 1.5                           | 18.4                          | 574                 |
| LDBS04CYUAYF1012C0.75S | 12 X 0.75                          | 12.4                          | 245                 | LDBS04CYUAYF1025C1.5S | 25 G 1.5                           | 21.4                          | 759                 |
| LDBS04CYUAYF1018C0.75S | 18 G 0.75                          | 14.4                          | 351                 | LDBS04CYUAYF1034C1.5S | 34 G 1.5                           | 24.8                          | 1022                |
| LDBS04CYUAYF1018C0.75S | 18 X 0.75                          | 14.4                          | 351                 | LDBS04CYUAYF1041C1.5S | 41 G 1.5                           | 26.8                          | 1196                |
| LDBS04CYUAYF1025C0.75S | 25 G 0.75                          | 16.7                          | 458                 | LDBS04CYUAYF1050C1.5S | 50 G 1.5                           | 28.9                          | 1409                |
| LDBS04CYUAYF1034C0.75S | 34 G 0.75                          | 19.2                          | 595                 | LDBS04CYUAYF1002C2.5S | 2 X 2.5                            | 10.2                          | 180                 |
| LDBS04CYUAYF1040C0.75S | 40 X 0.75                          | 20                            | 667                 | LDBS04CYUAYF1003C2.5S | 3 G 2.5                            | 10.8                          | 212                 |
| LDBS04CYUAYF1041C0.75S | 41 G 0.75                          | 20.7                          | 693                 | LDBS04CYUAYF1004C2.5S | 4 G 2.5                            | 12                            | 263                 |
| LDBS04CYUAYF1018C0.75S | 18 G 0.75                          | 14.4                          | 351                 | LDBS04CYUAYF1005C2.5S | 5 G 2.5                            | 13.2                          | 303                 |
| LDBS04CYUAYF1018C0.75S | 18 X 0.75                          | 14.4                          | 351                 | LDBS04CYUAYF1007C2.5S | 7 G 2.5                            | 14.3                          | 371                 |
| LDBS04CYUAYF1025C0.75S | 25 G 0.75                          | 16.7                          | 458                 | LDBS04CYUAYF1012C2.5S | 12 G 2.5                           | 18.9                          | 605                 |
| LDBS04CYUAYF1034C0.75S | 34 G 0.75                          | 19.2                          | 595                 | LDBS04CYUAYF1002C04S  | 2 X 4                              | 12.5                          | 268                 |
| LDBS04CYUAYF1040C0.75S | 40 X 0.75                          | 20                            | 667                 | LDBS04CYUAYF1004C04S  | 4 G 4                              | 14.6                          | 404                 |
| LDBS04CYUAYF1041C0.75S | 41 G 0.75                          | 20.7                          | 693                 | LDBS04CYUAYF1005C04S  | 5 G 4                              | 16                            | 441                 |
| LDBS04CYUAYF1002C06S   | 2 X 6                              | 13.9                          | 354                 | LDBS04CYUAYF1007C10S  | 7 G 10                             | 24.5                          | 1160                |
| LDBS04CYUAYF1004C06S   | 4 G 6                              | 14.6                          | 469                 | LDBS04CYUAYF1002C16S  | 2 X 16                             | 19.7                          | 742                 |
| LDBS04CYUAYF1005C06S   | 5 G 6                              | 16                            | 522                 | LDBS04CYUAYF1004C16S  | 4 G 16                             | 23.1                          | 1134                |
| LDBS04CYUAYF1007C06S   | 7 G 6                              | 17.4                          | 669                 | LDBS04CYUAYF1005C16S  | 5 G 16                             | 25.8                          | 1292                |
| LDBS04CYUAYF1002C10S   | 2 X 10                             | 17.1                          | 537                 | LDBS04CYUAYF1004C25S  | 4 G 25                             | 28.1                          | 1718                |
| LDBS04CYUAYF1003C10S   | 3 G 10                             | 18.4                          | 662                 | LDBS04CYUAYF1005C25S  | 5 G 25                             | 31.2                          | 1909                |
| LDBS04CYUAYF1004C10S   | 4 G 10                             | 20.2                          | 818                 | LDBS04CYUAYF1004C35S  | 4 G 35                             | 31.7                          | 2269                |

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| POLY CAB CLASSIC 110 CY<br>Screened Control Cable, 300/500VAC |                                     |                  |                  | POLY CAB             |                                     |                  |                  |
|---|-------------------------------------|------------------|------------------|----------------------|-------------------------------------|------------------|------------------|
| Product Code  | No. of core (in cross section area) | Overall diameter | Weight (Approx.) | Product Code         | No. of core (in cross section area) | Overall diameter | Weight (Approx.) |
|   | n x mm <sup>2</sup>                 | mm               | Kg/km            |                      | n x mm <sup>2</sup>                 | mm               | Kg/km            |
| LDBS04CYUAYF1005C10S  | 5 G 10                              | 22.2             | 899              | LDBS04CYUAYF1005C35S | 5 G 35                              | 34.9             | 2513             |

# POLY CAB