



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB CLASSIC 110 BLACK, fine wire flexible copper conductor, PVC insulated and PVC outer sheath is designed to use in plant engineering, industrial machinery, heating & air conditioning system, power station. It is also suitable to use for fixed installation & occasional flexing at free, torsional application in wind turbine and for power chain drive.

CHARACTERISTICS

Voltage Rating

U0/U: 600/1000 V

Operation Temperature

Occasional flexing: -5°C to +70°C

Fixed installation: -40°C to +80°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.
- Sheath: In-house developed PVC compound. (Colour: Black)

Core Identification

Black with white numbering according to VDE 0293-334

Bending Radius

Occasional flexing 15 x Overall diameter

Fixed installation 4 x Overall diameter

Test Voltage

3.5 kV

OUTSTANDING FEATURES

- Flame Retardant
- Ozone resistant
- UV resistant
- Heat resistant

STANDARD FOLLOWS

IEC 60228/VDE 0295

IEC 60502-1

BS 6231

COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

OUR ACCREDITATIONS



POLY CAB CLASSIC 110 BLACK

Control Cable, 600/1000 V AC

POLY CAB
IDEAS. CONNECTED.

Weight & Dimension Data

| Product Code | No. of core and cross section area | Overall diameter (Approx.) | Weight (Approx.) | Product Code | No. of core and cross section area | Overall diameter (Approx.) | Weight (Approx.) |
|------------------------|------------------------------------|----------------------------|------------------|-----------------------|------------------------------------|----------------------------|------------------|
| | | | | | | | |
| | | n x mm ² | mm | Kg/km | | n x mm ² | mm |
| | | | | | | | Kg/km |
| LDBS04CYUAYF1002C0.75S | 2 X 0.75 | 8.2 | 93 | LDBS04CYUAYF1034C1.5S | 34 G 1.5 | 26.1 | 962 |
| LDBS04CYUAYF1003C0.75S | 3 G 0.75 | 8.7 | 107 | LDBS04CYUAYF1050C1.5S | 50 G 1.5 | 30 | 1359 |
| LDBS04CYUAYF1003C0.75S | 3 X 0.75 | 8.7 | 107 | LDBS04CYUAYF1002C2.5S | 2 X 2.5 | 11 | 182 |
| LDBS04CYUAYF1004C0.75S | 4 G 0.75 | 9.5 | 129 | LDBS04CYUAYF1003C2.5S | 3 G 2.5 | 11.6 | 213 |
| LDBS04CYUAYF1005C0.75S | 5 G 0.75 | 10.5 | 139 | LDBS04CYUAYF1004C2.5S | 4 G 2.5 | 12.6 | 256 |
| LDBS04CYUAYF1007C0.75S | 7 G 0.75 | 11.4 | 172 | LDBS04CYUAYF1004C2.5S | 4 x 2.5 | 12.6 | 256 |
| LDBS04CYUAYF1012C0.75S | 12 G 0.75 | 15 | 278 | LDBS04CYUAYF1005C2.5S | 5 G 2.5 | 13.7 | 278 |
| LDBS04CYUAYF1018C0.75S | 18 G 0.75 | 17.6 | 396 | LDBS04CYUAYF1007C2.5S | 7 G 2.5 | 14.8 | 347 |
| LDBS04CYUAYF1041C0.75S | 41 G 0.75 | 25.9 | 819 | LDBS04CYUAYF1012C2.5S | 12 G 2.5 | 19.1 | 548 |
| LDBS04CYUAYF1002C01S | 2 X 1 | 8.4 | 101 | LDBS04CYUAYF1014C2.5S | 14 G 2.5 | 20 | 626 |
| LDBS04CYUAYF1003C01S | 3 G 1 | 8.9 | 117 | LDBS04CYUAYF1018C2.5S | 18 G 2.5 | 22.2 | 776 |
| LDBS04CYUAYF1003C01S | 3 X 1 | 8.9 | 117 | LDBS04CYUAYF1025C2.5S | 25 G 2.5 | 25.9 | 1031 |
| LDBS04CYUAYF1004C01S | 4 G 1 | 9.8 | 142 | LDBS04CYUAYF1004C04S | 4 G 4 | 13.8 | 333 |
| LDBS04CYUAYF1004C01S | 4 X 1 | 9.8 | 142 | LDBS04CYUAYF1005C04S | 5 G 4 | 15 | 364 |
| LDBS04CYUAYF1005C01S | 5 G 1 | 10.8 | 154 | LDBS04CYUAYF1007C04S | 7 G 4 | 16.3 | 461 |
| LDBS04CYUAYF1007C01S | 7 G 1 | 11.7 | 192 | LDBS04CYUAYF1004C06S | 4 G 6 | 15.2 | 433 |
| LDBS04CYUAYF1012C01S | 12 G 1 | 15.5 | 312 | LDBS04CYUAYF1005C06S | 5 G 6 | 16.7 | 475 |
| LDBS04CYUAYF1018C01S | 18 G 1 | 18.2 | 447 | LDBS04CYUAYF1007C06S | 7 G 6 | 18.1 | 608 |
| LDBS04CYUAYF1025C01S | 25 G 1 | 21.4 | 600 | LDBS04CYUAYF1004C10S | 4 G 10 | 18.4 | 676 |
| LDBS04CYUAYF1034C01S | 34 G 1 | 24.6 | 784 | LDBS04CYUAYF1005C10S | 5 G 10 | 20.2 | 740 |
| LDBS04CYUAYF1041C01S | 41 G 1 | 26.7 | 931 | LDBS04CYUAYF1004C16S | 4 G 16 | 21 | 957 |
| LDBS04CYUAYF1002C1.5S | 2 X 1.5 | 10 | 144 | LDBS04CYUAYF1005C16S | 5 G 16 | 23.1 | 1043 |

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| | | | | | | | |
| | | n x mm ² | mm | | | n x mm ² | mm |
| | | | | | | | |
| LDBS04CYUAYF1003C1.5S | 3 G 1.5 | 10.5 | 165 | LDBS04CYUAYF1007C16S | 7 G 16 | 25.3 | 1371 |
| LDBS04CYUAYF1003C1.5S | 3 X 1.5 | 10.5 | 165 | LDBS04CYUAYF1004C255S | 4 G 25 | 25.1 | 1422 |
| LDBS04CYUAYF1004C1.5S | 4 G 1.5 | 11.3 | 197 | LDBS04CYUAYF1005C25S | 5 G 25 | 27.8 | 1556 |
| LDBS04CYUAYF1005C1.5S | 5 G 1.5 | 12.3 | 213 | LDBS04CYUAYF1004C35S | 4 G 35 | 27.9 | 1889 |
| LDBS04CYUAYF1007C1.5S | 7 G 1.5 | 13.3 | 261 | LDBS04CYUAYF1005C35S | 5 G 35 | 31 | 2090 |
| LDBS04CYUAYF1012C1.5S | 12 G 1.5 | 17 | 406 | LDBS04CYUAYF1004C50S | 4 G 50 | 32.8 | 2661 |
| LDBS04CYUAYF1014C1.5S | 14 G 1.5 | 17.8 | 461 | LDBS04CYUAYF1004C70S | 4 G 70 | 37.2 | 3610 |
| LDBS04CYUAYF1018C1.5S | 18 G 1.5 | 19.7 | 566 | LDBS04CYUAYF1004C95S | 4 G 95 | 42.1 | 4706 |
| LDBS04CYUAYF1025C1.5S | 25 G 1.5 | 22.9 | 746 | LDBS04CYUAYF1004C120S | 4 G 120 | 46.3 | 5856 |