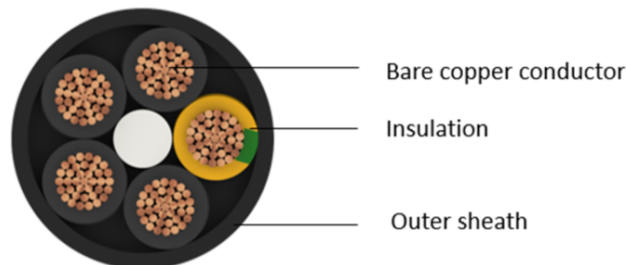


POLYCAB CLASSIC 110

Control Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB CLASSIC 110, fine wire flexible copper conductor, PVC insulated with oil resistant PVC outer sheath is designed to use for fixed installation as well as flexible installation where tensile load is not much. It is suitable to use for torsional application in wind turbine and for power chain drive.

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
- Sheath: In-house developed oil resistant PVC compound.

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
- Cold resistant
- UV resistant
- Weather resistant
- Heat resistant

STANDARD FOLLOWS

IEC 60228/VDE 0295

BS EN 50525-2-51

IEC 60227-5

VDE 0281-13

COMPLIANCE

Conductor resistance IEC 60228

Oil resistant BS EN 50525-2-22

Flame retardant IEC 60332-1-2

OUR ACCREDITATIONS



Weight & Dimension Data

| Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) | Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) |
|----------------------|---|---------------------------------|--------------------------|-----------------------|---|---------------------------------|--------------------------|
| LDBS04CYUAY1002C0.5S | 2 X 0.5 | 4.9 | 36 | LDBS04CYUAY1025C0.75S | 25 G 0.75 | 13.9 | 307 |
| LDBS04CYUAY1003C0.5S | 3 G 0.5 | 5.2 | 43 | LDBS04CYUAY1026C0.75S | 26 G 0.75 | 13.9 | 314 |
| LDBS04CYUAY1003C0.5S | 3 X 0.5 | 5.2 | 43 | LDBS04CYUAY1034C0.75S | 34 G 0.75 | 16 | 406 |
| LDBS04CYUAY1004C0.5S | 4 G 0.5 | 5.7 | 53 | LDBS04CYUAY1041C0.75S | 41 G 0.75 | 17.4 | 484 |
| LDBS04CYUAY1004C0.5S | 4 X 0.5 | 5.7 | 53 | LDBS04CYUAY1050C0.75S | 50 G 0.75 | 18.9 | 583 |
| LDBS04CYUAY1005C0.5S | 5 G 0.5 | 6.4 | 58 | LDBS04CYUAY1051C0.75S | 51 G 0.75 | 19 | 593 |
| LDBS04CYUAY1005C0.5S | 5 X 0.5 | 6.4 | 58 | LDBS04CYUAY1061C0.75S | 61 G 0.75 | 20.2 | 699 |
| LDBS04CYUAY1007C0.5S | 7 G 0.5 | 6.9 | 74 | LDBS04CYUAY1065C0.75S | 65 G 0.75 | 21 | 745 |
| LDBS04CYUAY1007C0.5S | 7 X 0.5 | 6.9 | 74 | LDBS04CYUAY1080C0.75S | 80 G 0.75 | 23.2 | 910 |
| LDBS04CYUAY1010C0.5S | 10 G 0.5 | 8.9 | 107 | LDBS04CYUAY1100C0.75S | 100 G 0.75 | 26.6 | 1137 |
| LDBS04CYUAY1012C0.5S | 12 G 0.5 | 9.2 | 122 | LDBS04CYUAY1002C01S | 2 X 1 | 5.7 | 53 |
| LDBS04CYUAY1014C0.5S | 14 G 0.5 | 9.6 | 140 | LDBS04CYUAY1003C01S | 3 G 1 | 6.1 | 64 |
| LDBS04CYUAY1018C0.5S | 18 G 0.5 | 10.8 | 175 | LDBS04CYUAY1003C01S | 3 X 1 | 6.1 | 64 |
| LDBS04CYUAY1021C0.5S | 21 G 0.5 | 11.4 | 198 | LDBS04CYUAY1004C01S | 4 G 1 | 6.7 | 80 |
| LDBS04CYUAY1025C0.5S | 25 G 0.5 | 12.7 | 237 | LDBS04CYUAY1004C01S | 4 X 1 | 6.7 | 80 |
| LDBS04CYUAY1030C0.5S | 30 G 0.5 | 13.5 | 276 | LDBS04CYUAY1005C01S | 5 G 1 | 7.5 | 89 |
| LDBS04CYUAY1035C0.5S | 35 G 0.5 | 14.6 | 319 | LDBS04CYUAY1005C01S | 5 X 1 | 7.5 | 89 |
| LDBS04CYUAY1040C0.5S | 40 G 0.5 | 15.3 | 359 | LDBS04CYUAY1006C01S | 6 G 1 | 8.2 | 106 |
| LDBS04CYUAY1052C0.5S | 52 G 0.5 | 17.3 | 461 | LDBS04CYUAY1007C01S | 7 G 1 | 8.2 | 115 |
| LDBS04CYUAY1061C0.5S | 61 G 0.5 | 18.5 | 534 | LDBS04CYUAY1007C01S | 7 X 1 | 8.2 | 115 |
| LDBS04CYUAY1065C0.5S | 65 G 0.5 | 19.1 | 568 | LDBS04CYUAY1008C01S | 8 G 1 | 9.2 | 132 |
| LDBS04CYUAY1080C0.5S | 80 G 0.5 | 21.2 | 693 | LDBS04CYUAY1009C01S | 9 G 1 | 10 | 149 |
| LDBS04CYUAY1100C0.5S | 100 G 0.5 | 24.2 | 866 | LDBS04CYUAY1010C01S | 10 G 1 | 10.5 | 167 |

| Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) | Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) |
|-----------------------|---|---------------------------------|--------------------------|----------------------|---|---------------------------------|--------------------------|
| LDBS04CYUAY1002C0.75S | 2 X 0.75 | 5.3 | 44 | LDBS04CYUAY1012C01S | 12 G 1 | 10.9 | 191 |
| LDBS04CYUAY1003C0.75S | 3 G 0.75 | 5.6 | 53 | LDBS04CYUAY1012C01S | 12 X 1 | 10.9 | 191 |
| LDBS04CYUAY1003C0.75S | 3 X 0.75 | 5.6 | 53 | LDBS04CYUAY1014C01S | 14 G 1 | 11.4 | 221 |
| LDBS04CYUAY1004C0.75S | 4 G 0.75 | 6.2 | 66 | LDBS04CYUAY1016C01S | 16 G 1 | 12.1 | 248 |
| LDBS04CYUAY1004C0.75S | 4 X 0.75 | 6.2 | 66 | LDBS04CYUAY1018C01S | 18 G 1 | 12.8 | 279 |
| LDBS04CYUAY1005C0.75S | 5 G 0.75 | 6.9 | 73 | LDBS04CYUAY1018C01S | 18 X 1 | 12.8 | 279 |
| LDBS04CYUAY1005C0.75S | 5 X 0.75 | 6.9 | 73 | LDBS04CYUAY1020C01S | 20 G 1 | 13.6 | 304 |
| LDBS04CYUAY1007C0.75S | 7 G 0.75 | 7.5 | 94 | LDBS04CYUAY1020C01S | 20 X 1 | 13.6 | 304 |
| LDBS04CYUAY1007C0.75S | 7 X 0.75 | 7.5 | 94 | LDBS04CYUAY1025C01S | 25 G 1 | 15.1 | 379 |
| LDBS04CYUAY1009C0.75S | 9 G 0.75 | 9.2 | 122 | LDBS04CYUAY1026C01S | 26 G 1 | 15.1 | 388 |
| LDBS04CYUAY1010C0.75S | 10 G 0.75 | 9.6 | 137 | LDBS04CYUAY1034C01S | 34 G 1 | 17.5 | 502 |
| LDBS04CYUAY1012C0.75S | 12 G 0.75 | 10 | 156 | LDBS04CYUAY1036C01S | 36 G 1 | 17.5 | 526 |
| LDBS04CYUAY1012C0.75S | 12 X 0.75 | 10 | 156 | LDBS04CYUAY1041C01S | 41 G 1 | 19 | 600 |
| LDBS04CYUAY1015C0.75S | 15 G 0.75 | 11.1 | 192 | LDBS04CYUAY1050C01S | 50 G 1 | 20.6 | 723 |
| LDBS04CYUAY1015C0.75S | 15 X 0.75 | 11.1 | 192 | LDBS04CYUAY1056C01S | 56 G 1 | 21.4 | 802 |
| LDBS04CYUAY1016C0.75S | 16 G 0.75 | 11.1 | 202 | LDBS04CYUAY1061C01S | 61 G 1 | 22.1 | 869 |
| LDBS04CYUAY1018C0.75S | 18 G 0.75 | 11.8 | 226 | LDBS04CYUAY1065C01S | 65 G 1 | 22.9 | 925 |
| LDBS04CYUAY1021C0.75S | 21 G 0.75 | 12.5 | 256 | LDBS04CYUAY1080C01S | 80 G 1 | 25.4 | 1131 |
| LDBS04CYUAY1100C01S | 100 G 1 | 29.1 | 1414 | LDBS04CYUAY1003C2.5S | 3 G 2.5 | 8.6 | 137 |
| LDBS04CYUAY1002C1.5S | 2 X 1.5 | 6.7 | 73 | LDBS04CYUAY1004C2.5S | 4 G 2.5 | 9.5 | 172 |
| LDBS04CYUAY1003C1.5S | 3 G 1.5 | 7.1 | 90 | LDBS04CYUAY1005C2.5S | 5 G 2.5 | 10.6 | 190 |
| LDBS04CYUAY1003C1.5S | 3 X 1.5 | 7.1 | 90 | LDBS04CYUAY1007C2.5S | 7 G 2.5 | 11.6 | 249 |
| LDBS04CYUAY1004C1.5S | 4 G 1.5 | 7.9 | 112 | LDBS04CYUAY1012C2.5S | 12 G 2.5 | 15.7 | 420 |
| LDBS04CYUAY1004C1.5S | 4 X 1.5 | 7.9 | 112 | LDBS04CYUAY1014C2.5S | 14 G 2.5 | 16.6 | 488 |
| LDBS04CYUAY1005C1.5S | 5 G 1.5 | 8.8 | 124 | LDBS04CYUAY1018C2.5S | 18 G 2.5 | 18.6 | 620 |

| Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) | Product Code | No. of core X cross section area (n x mm ²) | Overall diameter (Approx.) (mm) | Weight (Approx.) (Kg/km) |
|----------------------|---|---------------------------------|--------------------------|----------------------|---|---------------------------------|--------------------------|
| LDBS04CYUAY1005C1.5S | 5 X 1.5 | 8.8 | 124 | LDBS04CYUAY1025C2.5S | 25 G 2.5 | 22.1 | 849 |
| LDBS04CYUAY1006C1.5S | 6 G 1.5 | 9.6 | 149 | LDBS04CYUAY1034C2.5S | 34 G 2.5 | 25.6 | 1132 |
| LDBS04CYUAY1007C1.5S | 7 G 1.5 | 9.6 | 161 | LDBS04CYUAY1003C4S | 3 G 4 | 10.7 | 213 |
| LDBS04CYUAY1007C1.5S | 7 X 1.5 | 9.6 | 161 | LDBS04CYUAY1004C4S | 4 G 4 | 11.9 | 270 |
| LDBS04CYUAY1008C1.5S | 8 G 1.5 | 10.9 | 186 | LDBS04CYUAY1005C4S | 5 G 4 | 13.2 | 296 |
| LDBS04CYUAY1008C1.5S | 8 X 1.5 | 10.9 | 186 | LDBS04CYUAY1007C4S | 7 G 4 | 14.6 | 390 |
| LDBS04CYUAY1009C1.5S | 9 G 1.5 | 11.9 | 210 | LDBS04CYUAY1011C4S | 11 G 4 | 19 | 608 |
| LDBS04CYUAY1010C1.5S | 10 G 1.5 | 12.4 | 236 | LDBS04CYUAY1012C4S | 12 G 4 | 19.7 | 663 |
| LDBS04CYUAY1011C1.5S | 11 G 1.5 | 12.4 | 248 | LDBS04CYUAY1003C6S | 3 G 6 | 12.2 | 293 |
| LDBS04CYUAY1012C1.5S | 12 G 1.5 | 12.9 | 270 | LDBS04CYUAY1004C6S | 4 G 6 | 13.6 | 374 |
| LDBS04CYUAY1012C1.5S | 12 X 1.5 | 12.9 | 270 | LDBS04CYUAY1005C6S | 5 G 6 | 15.3 | 417 |
| LDBS04CYUAY1014C1.5S | 14 G 1.5 | 13.6 | 313 | LDBS04CYUAY1007C6S | 7 G 6 | 16.9 | 554 |
| LDBS04CYUAY1016C1.5S | 16 G 1.5 | 14.4 | 352 | LDBS04CYUAY1003C10S | 3 G 10 | 15.5 | 489 |
| LDBS04CYUAY1018C1.5S | 18 G 1.5 | 15.2 | 396 | LDBS04CYUAY1004C10S | 4 G 10 | 17.3 | 626 |
| LDBS04CYUAY1021C1.5S | 21 G 1.5 | 16.2 | 450 | LDBS04CYUAY1005C10S | 5 G 10 | 19.4 | 698 |
| LDBS04CYUAY1025C1.5S | 25 G 1.5 | 18 | 541 | LDBS04CYUAY1007C10S | 7 G 10 | 21.5 | 931 |
| LDBS04CYUAY1026C1.5S | 26 G 1.5 | 18 | 553 | LDBS04CYUAY1004C16S | 4 G 16 | 20.2 | 902 |
| LDBS04CYUAY1032C1.5S | 32 G 1.5 | 20 | 676 | LDBS04CYUAY1005C16S | 5 G 16 | 22.6 | 1016 |
| LDBS04CYUAY1034C1.5S | 34 G 1.5 | 20.8 | 718 | LDBS04CYUAY1007C16S | 7 G 16 | 25.1 | 1360 |
| LDBS04CYUAY1041C1.5S | 41 G 1.5 | 22.7 | 859 | LDBS04CYUAY1004C25S | 4 G 25 | 24.8 | 1385 |
| LDBS04CYUAY1050C1.5S | 50 G 1.5 | 24.6 | 1038 | LDBS04CYUAY1005C25S | 5 G 25 | 27.8 | 1561 |
| LDBS04CYUAY1061C1.5S | 61 G 1.5 | 26.5 | 1249 | LDBS04CYUAY1007C25S | 7 G 25 | 30.8 | 2093 |
| LDBS04CYUAY1065C1.5S | 65 G 1.5 | 27.4 | 1330 | LDBS04CYUAY1004C35S | 4 G 35 | 28.1 | 1875 |
| LDBS04CYUAY1002C2.5S | 2 X 2.5 | 8 | 110 | LDBS04CYUAY1005C35S | 5 G 35 | 31.5 | 2123 |