



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB 3192A/3182A/3183A/3184A/3184A/3185A BS 6004 MC bunched copper conductor PVC insulated and PVC sheathed multicore cable confirm the requirement as per BS 6004. These cable intended to use for electric power and lighting application. The said cable is also suitable for low temperature installation, and fixed protected installation.

CHARACTERISTICS

Voltage Rating

300/500 V

Operation Temperature

Fixed: -40°C to +60° C

Bending Radius

Fixed installation 6 x Overall Diameter

Occasional installation 4 x Overall Diameter

CONSTRUCTION

- Annealed bunched copper conductor as per IEC 60228, class 5
- Insulated with Polyvinyl Chloride Type TI 4 to BS EN 50363-3
- Sheathed with Polyvinyl Chloride Type 10 to BS 7655-4.2

Core Identification

| | |
|------------|--|
| Twin core | Blue and Brown |
| Three core | Green-Yellow, Blue and Brown |
| Four core | Green-Yellow, Brown, Black, Grey or Green-Yellow, Blue, Brown, Black |
| Five core | Green-Yellow, Blue, Brown, Black, Grey |

Test Voltage

2000V AC at (20±5) °C

OUTSTANDING FEATURES

- Flame propagation
- Heat stability
- UV stability

STANDARD FOLLOWS

IEC 60228
EN 50363-3
BS 7655-4.2
BS 6004:2000

COMPLIANCE

Conductor Resistance test - IEC 60228
Insulation Resistance test - BS 6004
Flame propagation - BS EN 60332-1-2

OUR ACCREDITATIONS



APPROVAL



Lighting & Appliance wire, 300/500 V AC

WEIGHT & DIMENSION DATA :

| Product Code | Nominal cross sectional area mm ² | Nominal insulation thickness mm | Overall Dimension/Diameter (Approx.) mm | Weight (Approx.) kg/km |
|----------------------|--|---------------------------------|---|------------------------|
| LDBS04CYUAYA002C.75S | 2 x 0.75 | 0.6 | 3.9 x 6.2 | 48 |
| LDBS04CYUAYA002C001S | 2 x 1 | 0.6 | 4.1 x 6.6 | 55 |
| LDBS04CYUAYA002C0.5S | 2 x 0.5 | 0.6 | 5.82 | 49 |
| LDBS04CYUAYA002C.75S | 2 x 0.75 | 0.6 | 6.23 | 59 |
| LDBS04CYUAYA002C001S | 2 x 1 | 0.6 | 6.58 | 68 |
| LDBS04CYUAYA002C1.5S | 2 x 1.5 | 0.7 | 7.52 | 91 |
| LDBS04CYUAYA002C2.5S | 2 x 2.5 | 0.8 | 9.23 | 140 |
| LDBS04CYUAYA002C004S | 2 x 4 | 0.8 | 10.52 | 193 |
| LDBS04CYUAYA003C.75S | 3 x 0.75 | 0.6 | 6.60 | 69 |
| LDBS04CYUAYA003C001S | 3 x 1 | 0.6 | 6.98 | 81 |
| LDBS04CYUAYA003C1.5S | 3 x 1.5 | 0.7 | 8.20 | 113 |
| LDBS04CYUAYA003C2.5S | 3 x 2.5 | 0.8 | 10.01 | 175 |
| LDBS04CYUAYA003C004S | 3 x 4 | 0.8 | 11.38 | 243 |
| LDBS04CYUAYA004C.75S | 4 x 0.75 | 0.6 | 7.21 | 85 |
| LDBS04CYUAYA004C001S | 4 x 1 | 0.6 | 7.83 | 103 |
| LDBS04CYUAYA004C1.5S | 4 x 1.5 | 0.7 | 9.17 | 144 |
| LDBS04CYUAYA004C2.5S | 4 x 2.5 | 0.8 | 10.95 | 216 |
| LDBS04CYUAYA004C004S | 4 x 4 | 0.8 | 12.47 | 302 |
| LDBS04CYUAYA005C.75S | 5 x 0.75 | 0.6 | 8.06 | 106 |
| LDBS04CYUAYA005C001S | 5 x 1 | 0.6 | 8.52 | 124 |
| LDBS04CYUAYA005C1.5S | 5 x 1.5 | 0.7 | 10.19 | 179 |
| LDBS04CYUAYA005C2.5S | 5 x 2.5 | 0.8 | 12.16 | 267 |
| LDBS04CYUAYA005C004S | 5 x 4 | 0.8 | 14.03 | 380 |

• DBW-Weatherproof series

Lighting & Appliance wire, 300/500 V AC

Electrical characteristics

Current carrying capacity and Maximum DC conductor resistance.

| Nominal cross sectional area mm ² | Current-carrying capacity | | Maximum DC conductor resistance at 20°C Ω/km |
|---|---------------------------|--------------------------|---|
| | Single-phase a.c. Amp. | Three-phase a.c. Amp. | |
| 0.5 | 3 | 3 | 39 |
| 0.75 | 6 | 6 | 26 |
| 1 | 10 | 10 | 19.5 |
| 1.5 | 16 | 16 | 13.3 |
| 2.5 | 25 | 20 | 7.98 |
| 4 | 32 | 25 | 4.95 |

Ambient temperature: 30°C, Conductor operating temperature: 60°C

The above table is in accordance with Table 4F3A of BS 7671.

De-Rating Factor

De-rating factor for 60°C thermoplastic insulated cable.

| Ambient Temperature | 35°C | 40°C | 45°C | 50°C | 55°C |
|---------------------|------|------|------|------|------|
| De-rating factor | 0.91 | 0.82 | 0.71 | 0.58 | 0.41 |