



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB H05VV-F Multicore Flexible cable insulated and sheathed with thermoplastic compound. This cable fulfills the requirement as per EN 50525-2-11, cable is intended to use for connection of domestic appliances to the fixed supply

## CHARACTERISTICS

### Voltage Rating

300/500 V

### Operation Temperature

Fixed: -15°C to 70° C

## CONSTRUCTION

- Annealed stranded copper conductor as per IEC 60228, class 5
- Insulated with polyvinyl chloride Type TI 2 to EN 50363-3.
- Sheathed with polyvinyl chloride Type TM 2 to EN 50363-4-1

### Core Identification

Two core Blue, Brown

Three core Green-Yellow, Blue, Brown

Four core Green-Yellow, Brown, Black, Grey

Five core Green-Yellow, Blue, Brown, Black, Grey

### Bending Radius

Fixed installation - 8 x Overall diameter

### Test Voltage

2000V AC at (20±5) °C

## OUTSTANDING FEATURES

- Highly Flexible
- Good Insulation Resistance
- Halogen Free
- Low Smoke

## STANDARD FOLLOWS

IEC 60228  
BS EN 50363-3  
BS EN 50363-4-1  
BS EN 50525-2-11

## COMPLIANCE

Conductor Resistance test - IEC 60228  
Insulation Resistance test - EN 50525-2-11  
Test under fire condition - EN 60332-1-2

## OUR ACCREDITATIONS



## APPROVAL



**Weight & Dimension Data**

| Product Code         | Size of Conductor mm <sup>2</sup> | Stranding mm | Overall Diameter (Approx.) mm | Weight (Approx.) kg/km | POLY CAB/DOWEL Gland Size |
|----------------------|-----------------------------------|--------------|-------------------------------|------------------------|---------------------------|
| LDBS04CYUAYA002C.75S | 2 x 0.75                          | 24/0.2       | 6.23                          | 59                     | DBW-01SS(UN)              |
| LDBS04CYUAYA002C001S | 2 x 1                             | 32/0.2       | 6.58                          | 68                     | DBW-01SS(UN)              |
| LDBS04CYUAYA002C1.5S | 2 x 1.5                           | 30/0.25      | 7.52                          | 91                     | DBW-01SS(UN)              |
| LDBS04CYUAYA002C2.5S | 2 x 2.5                           | 50/0.25      | 9.23                          | 141                    | DBW-01SS(UN)              |
| LDBS04CYUAYA003C.75S | 3 x 0.75                          | 24/0.2       | 6.60                          | 70                     | DBW-01SS(UN)              |
| LDBS04CYUAYA003C001S | 3 x 1                             | 32/0.2       | 6.98                          | 81                     | DBW-01SS(UN)              |
| LDBS04CYUAYA003C1.5S | 3 x 1.5                           | 30/0.25      | 8.20                          | 114                    | DBW-01SS(UN)              |
| LDBS04CYUAYA003C2.5S | 3 x 2.5                           | 50/0.25      | 10.01                         | 176                    | DBW-01SS(UN)              |
| LDBS04CYUAYA004C.75S | 4 x 0.75                          | 24/0.2       | 7.21                          | 85                     | DBW-01SS(UN)              |
| LDBS04CYUAYA004C001S | 4 x 1                             | 32/0.2       | 7.83                          | 104                    | DBW-01SS(UN)              |
| LDBS04CYUAYA004C1.5S | 4 x 1.5                           | 30/0.25      | 9.17                          | 145                    | DBW-01SS(UN)              |
| LDBS04CYUAYA004C2.5S | 4 x 2.5                           | 50/0.25      | 10.95                         | 217                    | DBW-01SS(UN)              |
| LDBS04CYUAYA005C.75S | 5 x 0.75                          | 24/0.2       | 8.06                          | 91                     | DBW-01SS(UN)              |
| LDBS04CYUAYA005C001S | 5 x 1                             | 32/0.2       | 8.52                          | 106                    | DBW-01SS(UN)              |
| LDBS04CYUAYA005C1.5S | 5 x 1.5                           | 30/0.25      | 10.19                         | 154                    | DBW-01SS(UN)              |
| LDBS04CYUAYA005C2.5S | 5 x 2.5                           | 50/0.25      | 12.16                         | 230                    | DBW-01SS(UN)              |

• DBW – Weather proof series

**Electrical Characteristics**

**Current carrying capacity and max. DC conductor resistance.**

| Nominal cross sectional area mm <sup>2</sup> | Current-carrying capacity |                      | Max. DC conductor resistance at 20°C Ω/km |
|--|---------------------------|----------------------|---|
|  | Single-phase a.c. Amp     | Three-phase a.c. Amp |   |
| 0.75   | 6                         | 6                    | 26  |
| 1  | 10                        | 10                   | 19.5                                      |
| 1.5  | 16                        | 16                   | 13.3                                      |
| 2.5  | 25                        | 20                   | 7.98                                      |

The above table is in accordance with Table 4F3A of BS 7671:2018

**De-Rating Factor**

**De-rating factor for thermoplastic insulated cable.**

| Air Temperature  | 35°C | 40°C | 45°C | 50°C | 55°C |
|------------------|------|------|------|------|------|
| De-Rating Factor | 0.91 | 0.82 | 0.71 | 0.58 | 0.41 |