

# POLYCAB H05V2V2D3-F BS EN 50525-2-11 MC

## Industrial Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

### APPLICATION

POLYCAB H05V2V2D3-F Multicore Flexible cable insulated and sheathed with thermoplastic compound. This cable fulfils the requirement as per EN 50525-2-11, cables intended to use for connection of domestic appliances to the fixed supply

### CHARACTERISTICS

**Voltage Rating**  
300/500 V

**Operation Temperature**  
Fixed: -15°C to + 90° C

### CONSTRUCTION

- Annealed stranded copper conductor as per IEC 60228, class 5
- Strain member shall consist of steel rope of 7 strands
- Insulated with polyvinyl chloride Type TI 3 to EN 50363-3.
- Sheathed with polyvinyl chloride Type TM 3 to EN 50363-4-1

### Core Identification

Two core Blue, Brown

Three core Green-Yellow, Blue, Brown

Four core Green-Yellow, Brown, Black, Grey

### Bending Radius

Fixed installation - 8 x Overall diameter

Occasional installation - 6 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



# POLYCAB H05V2V2D3-F BS EN 50525-2-11 MC

## Industrial Cable, 300/500 V AC

### Weight & Dimension Data

Product Code	Nominal cross sectional area mm <sup>2</sup>	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
LDBS04CYUAYC002C.75S	2 x 0.75	24/0.2	7.96	66	DBW - 01SS (UN)
LDBS04CYUAYC003C.75S	3 x 0.75	24/0.2	7.96	78	DBW - 01SS (UN)
LDBS04CYUAYC004C.75S	4 x 0.75	24/0.2	7.96	89	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

The ambient temperature is 30°C. Conductor operating temperature 60°C.

\*The tabulated values above are for 60°C thermoplastic or thermosetting insulated flexible cords. For other types of flexible cords, they are to be multiplied by the following factors: for thermoplastic insulation at 90°C: 1.09, at 105°C: 1.31  
The above table is in accordance with Table 4F3A of BS 7671:2018

### De-Rating Factor

#### De-rating factor for 60°C 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