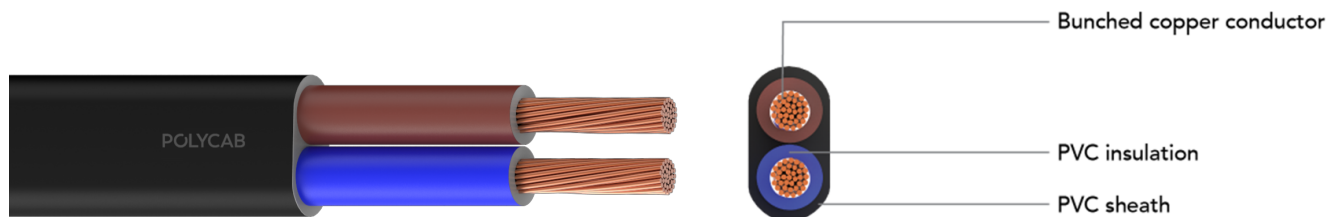


POLYCAB H05VVH2-F BS EN 50525-2-11 MC

Industrial Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB H05VVH2-F two core Flexible cable insulated and sheathed with thermoplastic compound. This cable fulfils 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

Bending Radius

Fixed installation - 6 x Overall diameter
Occasional installation - 4 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 | Nominal cross sectional area mm ² | Stranding mm | Number of Core | Overall Dimension (Approx.) mm | Weight (Approx.) kg/km |
|----------------------|--|--------------|----------------|--------------------------------|------------------------|
| LDBS04CYUAYA002C.75S | 0.75 | 24/0.2 | 2 | 3.92 x 6.23 | 48 |
| LDBS04CYUAYA002C001S | 1 | 32/0.2 | 2 | 4.09 x 6.58 | 55 |
| LDBS04CYUAYA002C1.5S | 1.5 | 30/0.25 | 2 | 4.56 x 7.52 | 72 |

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance.

| Nominal cross sectional area mm ² | 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 |

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 |