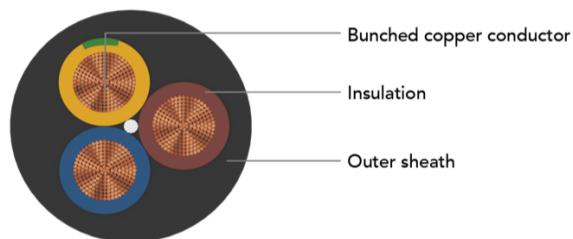


Lighting & Appliances Cable, 300/300 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB H03V2V2-F & H03V2V2H2-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

300/300 V

Operation Temperature

Fixed: -15° C to + 90° C

CONSTRUCTION

- Annealed stranded copper conductor as per IEC 60228, class 5
- 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

1500V 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



Lighting & Appliances Cable, 300/300 V AC

Weight & Dimension Data

Dimensions table of H03V2V2-F

Product Code	Nominal cross sectional area mm ²	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLY CAB/DOWEL Gland Size
LDBS05CYUAYC002C0.5S	2 x 0.5	16/0.2	5.02	38	-
LDBS05CYUAYC002C.75S	2 x 0.75	24/0.2	5.43	47	-
LDBS05CYUAYC003C0.5S	3 x 0.5	16/0.2	5.33	45	-
LDBS05CYUAYC003C.75S	3 x 0.75	24/0.2	5.77	57	-
LDBS05CYUAYC004C0.5S	4 x 0.5	16/0.2	5.83	56	-
LDBS05CYUAYC004C.75S	4 x 0.75	24/0.2	6.32	70	DBW - 01SS (UN)

Dimensions table of H03V2V2H2-F

Product Code	Nominal cross sectional area mm ²	Stranding mm	Overall Dimension (Approx.) mm	Weight (Approx.) kg/km
LDBS05CYUAYC002C0.5S	2 x 0.5	16/0.2	3.11 x 5.02	31
LDBS05CYUAYC002C.75S	2 x 0.75	24/0.2	3.32 x 5.43	38

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	
0.5	3	3	39
0.75	6	6	26

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