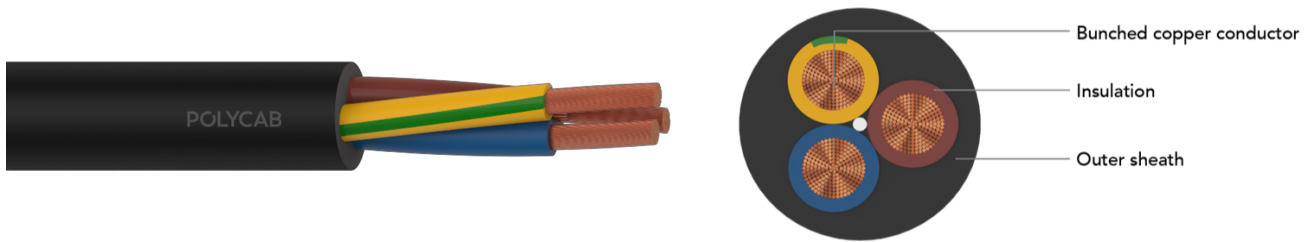


POLYCAB H05V2V2-F & H05V2V2H2-F BS EN 50525-2-11 MC

Industrial Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB H05V2V2-F & H05V2V2H2-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
- 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

Five core Green-Yellow, Blue, 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 H05V2V2-F & H05V2V2H2-F BS EN 50525-2-11 MC

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Dimensions

Dimensions of H05V2V2H2-F

Product Code	Nominal cross sectional area mm ²	Stranding mm	Overall Dimension (Approx.) mm	Weight (Approx.) kg/km
LDBS04CYUAYC002C0.5S	2 x 0.5	16/0.2	3.92 x 6.23	48
LDBS04CYUAYC002C.75S	2 x 0.75	24/0.2	4.09 x 6.58	55
LDBS04CYUAYC002C1.5S	2 x 1.5	32/0.2	4.56 x 7.52	72

Dimensions of H05V2V2-F

Product Code	Nominal cross sectional area mm ²	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
LDBS04CYUAYC002C0.5S	2 x 0.5	16/0.2	5.82	50	DBW-01SS(UN)
LDBS04CYUAYC002C.75S	2 x 0.75	24/0.2	6.23	59	DBW-01SS(UN)
LDBS04CYUAYC002C001S	2 x 1	32/0.2	6.58	68	DBW-01SS(UN)
LDBS04CYUAYC002C1.5S	2 x 1.5	30/0.25	7.52	91	DBW-01SS(UN)
LDBS04CYUAYC002C2.5S	2 x 2.5	50/0.25	9.23	141	DBW-01SS(UN)
LDBS04CYUAYC003C0.5S	3 x 0.5	16/0.2	6.16	58	DBW-01SS(UN)
LDBS04CYUAYC003C.75S	3 x 0.75	24/0.2	6.60	70	DBW-01SS(UN)
LDBS04CYUAYC003C001S	3 x 1	32/0.2	6.98	81	DBW-01SS(UN)
LDBS04CYUAYC003C1.5S	3 x 1.5	30/0.25	8.20	114	DBW-01SS(UN)
LDBS04CYUAYC003C2.5S	3 x 2.5	50/0.25	10.01	176	DBW-01SS(UN)
LDBS04CYUAYC004C0.5S	4 x 0.5	24/0.2	7.21	85	DBW-01SS(UN)
LDBS04CYUAYC004C.75S	4 x 0.75	16/0.2	6.71	70	DBW-01SS(UN)
LDBS04CYUAYC004C001S	4 x 1	32/0.2	7.83	104	DBW-01SS(UN)
LDBS04CYUAYC004C1.5S	4 x 1.5	30/0.25	9.17	145	DBW-01SS(UN)
LDBS04CYUAYC004C2.5S	4 x 2.5	50/0.25	10.95	217	DBW-01SS(UN)
LDBS04CYUAYC005C0.5S	5 x 0.5	16/0.2	7.50	74	DBW-01SS(UN)
LDBS04CYUAYC005C.75S	5 x 0.75	24/0.2	8.06	91	DBW-01SS(UN)
LDBS04CYUAYC005C001S	5 x 1	32/0.2	8.52	106	DBW-01SS(UN)
LDBS04CYUAYC005C1.5S	5 x 1.5	30/0.25	10.19	154	DBW-01SS(UN)
LDBS04CYUAYC005C2.5S	5 x 2.5	50/0.25	12.16	230	DBW-01SS(UN)

• DBW – Weather proof series

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Industrial Cable, 300/500 V AC

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
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