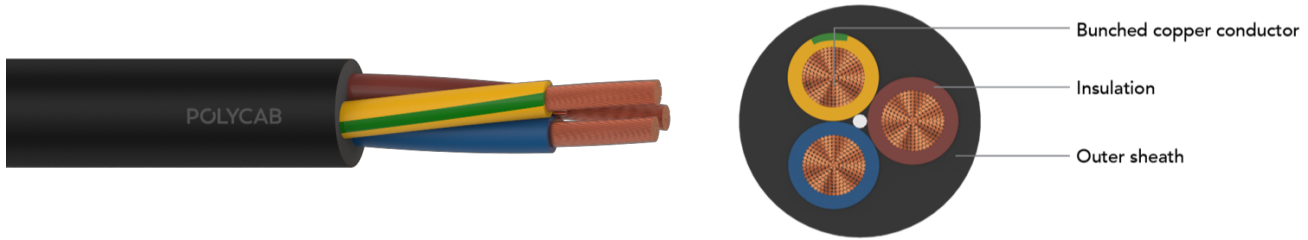


POLYCAB H05VV-F BS EN 50525-2-11 MC

Industrial Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB H05VV-F Multicore 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

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



POLYCAB H05VV-F BS EN 50525-2-11 MC

Industrial Cable, 300/500 V AC

Weight & Dimension Data

Product Code	Size of Conductor mm ²	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLYCAB/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	Current-carrying capacity		Max. DC conductor resistance at 20°C
	Single-phase a.c.	Three-phase a.c.	
mm ²	Amp	Amp	Ω/km
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

POLYCAB