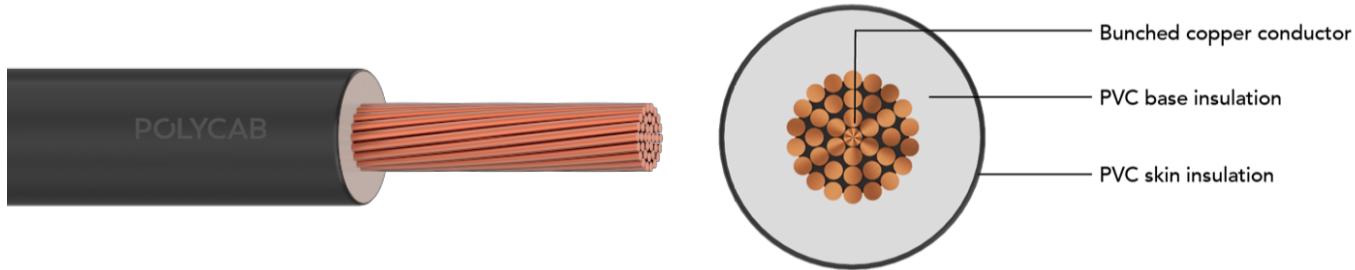


SC

**Industrial Cable, 300/500 V AC**

Images not to scale. Follow table for dimensions

**APPLICATION**

POLY CAB H05V-U/H05V-R/H05V-K single core non-sheathed thermoplastic insulated cable is suitable for power installation, domestic application, industrial appliances and equipment. These cables are used in exposed conduits, embedded conduits as well as closed installation duct.

**CHARACTERISTICS****Voltage Rating**

300/500 V

**Operation Temperature**

Fixed: -15°C to 70° C

**CONSTRUCTION**

- Annealed stranded or solid copper conductor as per IEC 60228, class 2 or class 1 or Class 5
- Insulated with Polyvinyl Chloride Type TI 1 to EN 50363-3

**Core Identification**

Black/Blue/Brown/Grey/Orange/Pink/Red/Turquoise/Violet/White/Green/Yellow

**Bending Radius**

Fixed installation - 8 x Overall Diameter

**Test Voltage**

2000V AC at (20±5) °C

**OUTSTANDING FEATURES**

- Flexible
- Flame Retardant
- Good Insulation Resistance

**STANDARD FOLLOWS**

IEC 60228

BS EN 50363-3

BS EN 50525-2-31

IEC 60332-1-2

**COMPLIANCE**

Conductor resistance test - IEC 60228

Insulation resistance - EN 50525-2-31

Tests under fire condition - EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

**OUR ACCREDITATIONS****APPROVAL**

**Industrial Cable, 300/500 V AC****Weight & Dimension Data**

Product Code	Size of Conductor mm <sup>2</sup>	Class of conductor	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km
LDBS04CYUAYA001C.05S	0.5	1	2.2	11
LDBS04CYUAYA001C.755S	0.75	1	2.4	15
LDBS04CYUAYA001C001S	1	1	2.6	19
LDBS04CYUAYA001C.05S	0.5	2	2.1	8
LDBS04CYUAYA001C.75S	0.75	2	2.31	11
LDBS04CYUAYA001C001S	1	2	2.46	14
LDBS04CYUAYA001C.05S	0.5	5	2.11	9
LDBS04CYUAYA001C.75S	0.75	5	2.32	11
LDBS04CYUAYA001C001S	1	5	2.49	14

**Electrical Characteristics**

Current carrying capacity and max. DC conductor resistance.

Nominal cross sectional area mm <sup>2</sup>	Current-carrying capacity		Maximum resistance of conductor at 20°C Ω/km
	Single-phase a.c.	Three-phase a.c.	
0.5	Amp.	Amp.	Ω/km
0.5	3	3	39
0.75	6	6	26
1	10	10	19.5

The ambient temperature is 30°C.

Conductor operating temperature 70°C.

The above table is in accordance with Table 4F3A of BS 7671:2018

**De-Rating Factor****De-rating factor for 70°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