



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB H05BQ-F heavy-duty cable insulated with cross-linked elastomeric compound and sheathed with TPU. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

## CHARACTERISTICS

### Voltage Rating

300/500 V

### Operation Temperature

Fixed: -40°C to + 90°C

## CONSTRUCTION

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 6 (EPR) to EN 50363-1.
- Sheathed with thermoplastic polyurethane (TMPU) to EN 50363-10-2

### Core Identification

2 core Blue, Brown

3 core Green/Yellow, Blue, Brown

4 core Green/Yellow, Brown, Black, Grey

5 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
- Oil Resistant
- Heat Resistant
- Long Life

## STANDARD FOLLOWS

IEC 60228  
BS EN 50363-1  
BS EN 50363-10-2  
BS EN 50525-2-21  
IEC 60332-1-2

## COMPLIANCE

Conductor Resistance test - IEC 60228  
Insulation Resistance test - EN 50525-2-21  
Test under fire condition - EN 60332-1-2

## OUR ACCREDITATIONS



## APPROVAL



**Weight & Dimension Data**

Product Code	Construction n x mm <sup>2</sup>	Overall Diameter mm	Weight (Approx.) kg/km	POLY CAB/DOWEL Gland Size
RCBS04TRUAM1002C.75S	2 x 0.75	6.23	53	DBW - 01SS (UN)
RCBS04TRUAM1002C001S	2 x 1	6.78	65	DBW - 01SS (UN)
RCBS04TRUAM1003C.75S	3 x 0.75	6.80	67	DBW - 01SS (UN)
RCBS04TRUAM1003C001S	3 x 1	7.18	78	DBW - 01SS (UN)
RCBS04TRUAM1004C.75S	4 x 0.75	7.41	81	DBW - 01SS (UN)
RCBS04TRUAM1004C001S	4 x 1	7.83	95	DBW - 01SS (UN)
RCBS04TRUAM1005C.75S	5 x 0.75	8.26	87	DBW - 01SS (UN)
RCBS04TRUAM1005C001S	5 x 1	8.72	103	DBW - 01SS (UN)

• DBW – Weatherproof series

**Electrical characteristics**

**Current carrying capacity and maximum DC conductor resistance.**

Nominal cross sectional area mm <sup>2</sup>	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	26.7
1	10	10	20

Ambient temperature: 30°C

Conductor operating temperature: 90°C

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

**De-Rating Factor**

**De-rating factor for 90°C thermosetting insulated cable.**

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28