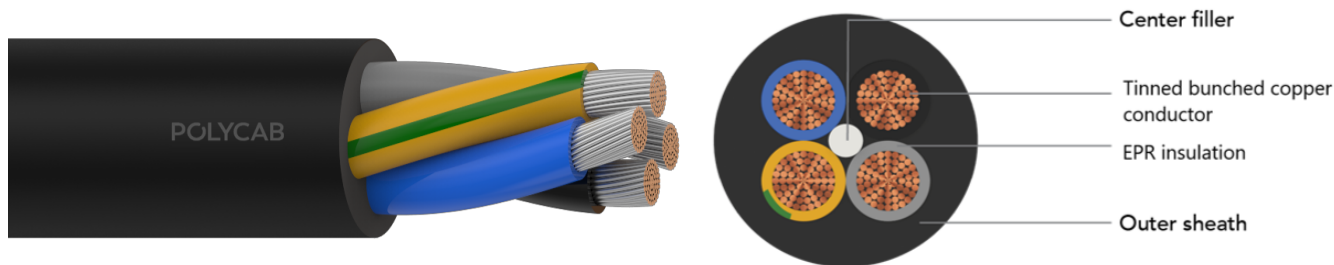


# POLYCAB H05GG-F/H05GGH2-F BS EN 50525-2-21 MC POLYCAB

Rubber Cable, 300/500 V AC

IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

## APPLICATION

POLYCAB H05GG-F & H05GGH2-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. 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: -15°C to + 110°C

## CONSTRUCTION

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 3 (EVA rubber) to EN 50363-1.
- Sheathed with cross linked elastomeric compound Type EM 4 (EVA) to EN 50363-2-1

### 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 50363-2-1  
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  
Flame retardant properties as per IEC 60332-1-2

## OUR ACCREDITATIONS



## APPROVAL



**Weight & Dimension Data**

**H05GG-F**

Product Code	Nominal cross sectional area mm <sup>2</sup>	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TEUAEV002C.75S	2 x 0.75	6.23	53	DBW - 01SS (UN)
RCBS04TEUAEV002C001S	2 x 1	6.78	64	DBW - 01SS (UN)
RCBS04TEUAEV002C1.5S	2 x 1.5	8.32	95	DBW - 01SS (UN)
RCBS04TEUAEV002C2.5S	2 x 2.5	9.83	140	DBW - 01SS (UN)
RCBS04TEUAEV003C.75S	3 x 0.75	6.80	65	DBW - 01SS (UN)
RCBS04TEUAEV003C001S	3 x 1	7.18	77	DBW - 01SS (UN)
RCBS04TEUAEV003C1.5S	3 x 1.5	8.83	115	DBW - 01SS (UN)
RCBS04TEUAEV003C2.5S	3 x 2.5	10.44	170	DBW - 01SS (UN)
RCBS04TEUAEV003C004S	3 x 4	12.25	240	DBW - 01SS (UN)
RCBS04TEUAEV003C006S	3 x 6	13.89	320	DBW - 01S (UN)
RCBS04TEUAEV004C.75S	4 x 0.75	7.41	80	DBW - 01SS (UN)
RCBS04TEUAEV004C001S	4 x 1	7.83	95	DBW - 01SS (UN)
RCBS04TEUAEV004C1.5S	4 x 1.5	9.85	145	DBW - 01SS (UN)
RCBS04TEUAEV004C2.5S	4 x 2.5	11.63	210	DBW - 01SS (UN)
RCBS04TEUAEV004C004S	4 x 4	13.63	300	DBW - 01S (UN)
RCBS04TEUAEV004C006S	4 x 6	15.43	405	DBW - 01A (UN)
RCBS04TEUAEV005C.75S	5 x 0.75	8.26	100	DBW - 01SS (UN)
RCBS04TEUAEV005C001S	5 x 1	8.72	115	DBW - 01SS (UN)
RCBS04TEUAEV005C1.5S	5 x 1.5	10.73	170	DBW - 01SS (UN)
RCBS04TEUAEV005C2.5S	5 x 2.5	12.90	255	DBW - 01S (UN)

• DBW – Weatherproof series

**H05GGH2-F**

Product Code	Construction mm <sup>2</sup>	Overall Dimension mm	Weight (Approx.) kg/km
RCBS04TEUAEV002C.75S	2 x 0.75	3.92 x 6.23	44

Electrical characteristics

Current carrying capacity and maximum DC conductor resistance

Conductor cross-sectional area	Current carrying capacity	Maximum DC conductor resistance at 20°C
mm²	Amp.	Ω/km
0.75	12	26.7
1	14	20
1.5	19	13.7
2.5	26	8.21
4	34	5.09
6	44	3.39

Ambient temperature: 30°C  
Conductor maximum operating temperature: 110°C

De-Rating Factor

De-rating factor for 110°C thermosetting or thermoplastic insulated cable

Air Temperature	35°C to 80°C	85°C	90°C	95°C	100°C	105°C
Correction Factor	1.0	0.96	0.85	0.74	0.60	0.42