



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB H03S-K SC Silicon Rubber insulated Power and Control cable conforming to BS EN 50525-2-41 is suitable to use in fixed installations where high temperature is a prime requirement.

## CHARACTERISTICS

### Voltage Rating

300/300 V

### Operation Temperature

Fixed: -35°C to 180°C

## CONSTRUCTION

- Annealed bunched tinned copper conductor as per IEC 60228, class 1
- Insulated with cross-linked elastomeric compound type EI 2 (silicon rubber) to EN 50363-1

### Core Identification

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

### Bending Radius

Fixed installation – 4 x Overall Dia.

### Test Voltage

2000V AC at (20±5) °C

## OUTSTANDING FEATURES

- Flexible
- Flame Retardant
- Good Insulation Resistance

## STANDARD FOLLOWS

IEC 60228  
BS EN 50363-1  
BS EN 50525-2-41  
IEC 60332-1-2

## COMPLIANCE

Conductor resistance test - IEC 60228  
Insulation resistance - EN 50525-2-41  
Flammability test - EN 60332-1-2

## OUR ACCREDITATIONS



## APPROVAL



**Weight & Dimension Data**

Nominal cross sectional area mm <sup>2</sup>	Insulation thickness mm	Overall diameter mm	Weight (Approx.) kg/km
0.5	0.6	2.11	8
0.75	0.6	2.32	11
1	0.6	2.49	14
1.5	0.7	2.96	20
2.5	0.8	3.62	31

**Electrical characteristics**

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

Nominal cross sectional area mm	Current rating in Air Amp.					Maximum DC conductor resistance 20°C Ω/km
	30°C	60°C	90°C	120°C	150°C	
0.5	24	21	17	14	9	40.1
0.75	30	26	22	17	11	26.7
1	36	31	26	20	13	20
1.5	45	39	33	26	17	13.7
2.5	61	53	45	55	23	8.21

Conductor operating temperature 180°C.

**De-rating Factor**

**De-rating factor for 180°C insulated cable**

Air Temperature	150°C	155°C	160°C	170°C	180°C
De-Rating Factor	1	0.91	0.82	0.58	0.41