



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB H05SS-K SC Silicon Rubber insulated and sheathed Power and Control cable, confirming to BS EN 50525-2-41 is suitable to use in fixed installations within high temperature zone.

CHARACTERISTICS

Voltage Rating
300/500 V

Operation Temperature
Fixed: -35°C to 180° C

CONSTRUCTION

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross linked elastomeric compound type EI 2 (silicon rubber) to EN 50363-1
- Sheathed with Silicon Rubber compound type EM 9 to EN 50363-2-1

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 50363-2-1
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 ²	Insulation thickness mm	Overall diameter mm	Weight (Approx.) kg/km
0.75	0.6	3.92	24
1	0.6	4.29	30
1.5	0.8	5.16	43
2.5	0.9	6.02	61

Electrical characteristics

Current carrying capacity and maximum DC conductor resistance.

Nominal cross sectional area mm ²	Current rating in air Amp.						Maximum DC conductor resistance 20°C Ω/km
	30°C	60°C	90°C	120°C	150°C	170°C	
0.75	30	26	22	17	11	6	26
1	35	31	26	20	13	7	19.5
1.5	44	38	52	25	17	8	13.3
2.5	61	53	45	35	23	12	7.98

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