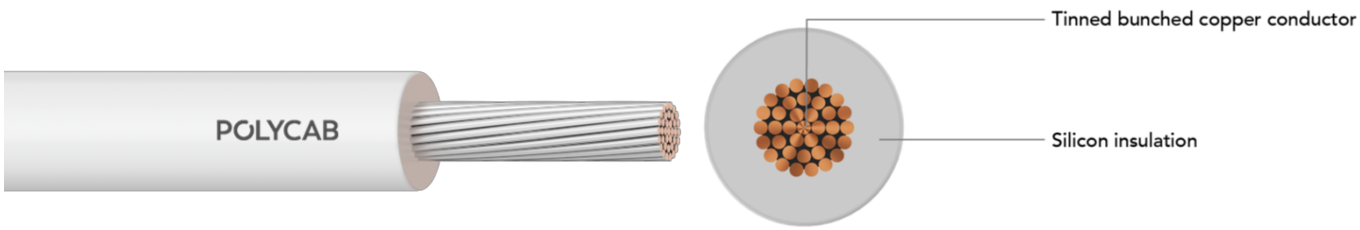
POLYCAB H03S-K BS EN 50525-2-41 SC
Rubber Cable, 300/300 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB 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 5
- 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/Yell

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

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Weight & Dimension Data

Nominal cross sectional area	Insulation thickness	Overall diameter	Weight (Approx.)
mm²	mm	mm	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
	30°C	60°C	90°C	120°C	150°C	Ω/km
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