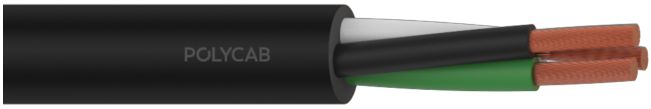
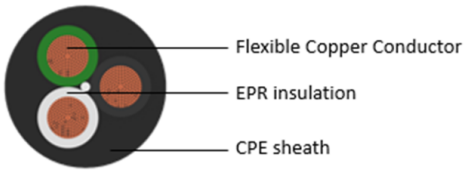
POLYCAB Type SJO
Flexible Cords, UL 62, 300 V AC





Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Type SJO, EPR insulated, CPE Jacketed portable cable is extremely flexible, resistant to oil, moisture, and abrasion, makes it suitable for outdoor or indoor application. These types of cables are used to supply low voltage power to small motor of portable tools in maintenance shops, vacuum cleaners, office machines, outdoor extensions and where severe operating conditions exist.

CHARACTERISTICS

Voltage Rating
300 V

Operation Temperature
-20°C to 90°C

CONSTRUCTION

- Annealed plain copper conductor, Class K as per ASTM B3 and ASTM B 172
- Insulated with insulation cl. 3 Ethylene Propylene rubber (EP) as per UL 62
- Jacketed with jacket cl. 1.4 Chlorinated polyethylene (CPE) to UL 62

Core Identification

Number of conductors	Core Colour
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green

Bending Radii

Fixed installation	5 x Overall Diameter
Occasional	4 x Overall Diameter

A-C Spark Test

18 -11 AWG	6 kV
10 AWG	7.5 kV

OUTSTANDING FEATURES

- Heat resistant
- Oil resistant
- Moisture resistant

STANDARD FOLLOWS

UL 62
ASTM B3
ASTM B172
UL 2556
National Electrical Code

COMPLIANCE

Conductor resistance test	UL 62
Insulation resistance	UL 62
Cold bend test	UL62
Flame test	UL 62
Jacket resistance test	UL 62
Oil resistance test	UL 62

OUR ACCREDITATIONS

POLYCAB Type SJO
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POLYCAB
IDEAS. CONNECTED.

Dimensional Characteristics:

No. of core	Conductor size	No.of Strand	Insulation thickness	Insulation thickness	Nominal Overall Diameter	Nominal Overall Diameter	Approximate weight	Approximate weight
	AWG		inches	mm	inches	mm	Lbs/Mft	Kg/km
2	18	16/30	0.030	0.76	0.274	6.95	45	67
3	18	16/30	0.030	0.76	0.291	7.38	54	81
4	18	16/30	0.030	0.76	0.318	8.08	66	98
2	16	26/30	0.030	0.76	0.299	7.59	56	84
3	16	26/30	0.030	0.76	0.318	8.07	69	102
4	16	26/30	0.030	0.76	0.349	8.85	85	126
2	14	41/30	0.030	0.76	0.329	8.34	72	107
3	14	41/30	0.030	0.76	0.350	8.88	89	133
4	14	41/30	0.030	0.76	0.385	9.76	111	165
2	12	65/30	0.030	0.76	0.396	10.06	107	159
3	12	65/30	0.030	0.76	0.421	10.68	133	198
4	12	65/30	0.030	0.76	0.460	11.68	165	246
2	10	104/30	0.045	1.14	0.535	13.58	184	274
3	10	104/30	0.045	1.14	0.568	14.42	229	341
4	10	104/30	0.045	1.14	0.622	15.78	284	422

*Above values are approximate and subject to standard manufacturing tolerance

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Electrical characteristics

No. of core	Conductor size	*Allowable ampacity Amp.	Maximum DC resistance at 20°C
	AWG	Ampere	Ω/km
2	18	10	22.4
3	18	10	22.4
4	18	7	22.4
2	16	13	14.1
3	16	13	14.1
4	16	10	14.1
2	14	18	8.88
3	14	18	8.88
4	14	15	8.88
2	12	25	5.58
3	12	25	5.58
4	12	20	5.58
2	10	30	3.51
3	10	30	3.51
4	10	25	3.51

*Ampacities are based on Table 400.5(A)of the 2014 National Electrical Code.