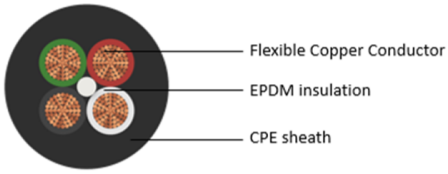
POLYCAB Type SOOW
Flexible Cords, UL 62, 600 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Type SOOW, EPDM rubber insulated heat, moisture and oil resistant flexible CPE jacket cable is designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights welding leads, marine dockside power, power extension and mining applications.

CHARACTERISTICS

Voltage Rating
600 V

Operation Temperature
-40°C to 90°C

CONSTRUCTION

- Annealed plain copper conductor, Class K as per ASTM B3 and ASTM B 172
- Insulated with insulation cl. 3 moisture and oil resistant EPDM as per UL 62
- Jacketed with jacket cl. 1.4 Heat, moisture, and oil resistant CPE to UL 62

Core Identification

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

Bending Radii

Fixed Installation	5 x Overall Diameter
Occasional	4 x Overall Diameter

A-C Spark Test

18 -15 AWG	6 kV
14 -10 AWG	7.5 kV

OUTSTANDING FEATURES

- Heat resistant
- Oil resistant
- Moisture resistant

STANDARD FOLLOWS

UL 62
ASTM B3
ASTM B172
UL 2556
NEC 400.5(A)

COMPLIANCE

Conductor resistance test	UL 62
Insulation resistance	UL 62
Cold bend test	UL62
Flame test	UL 62
Weather resistance	UL 62
Permittivity & stability factor	UL 62
Jacket resistance test	UL 62
Oil resistance test	UL 62

OUR ACCREDITATIONS

POLYCAB Type SOOW
Flexible Cords, UL 62, 600 V AC

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	0.334	8.47	67	100
3	18	16/30	0.030	0.76	0.351	8.9	77	115
4	18	16/30	0.030	0.76	0.378	9.6	91	135
5	18	16/30	0.030	0.76	0.448	11.37	123	183
2	16	26/30	0.030	0.76	0.360	9.14	82	122
3	16	26/30	0.030	0.76	0.379	9.62	96	143
4	16	26/30	0.030	0.76	0.410	10.4	115	170
5	16	26/30	0.030	0.76	0.483	12.26	154	229
2	14	41/30	0.045	1.14	0.490	12.44	142	212
3	14	41/30	0.045	1.14	0.516	13.1	167	248
4	14	41/30	0.045	1.14	0.558	14.17	199	296
5	14	41/30	0.045	1.14	0.634	16.09	254	378
2	12	65/30	0.045	1.14	0.528	13.4	171	255
3	12	65/30	0.045	1.14	0.557	14.14	205	305
4	12	65/30	0.045	1.14	0.604	15.34	248	369
5	12	65/30	0.045	1.14	0.685	17.39	315	469
2	10	104/30	0.045	1.14	0.606	15.39	233	347
3	10	104/30	0.045	1.14	0.639	16.23	282	419
4	10	104/30	0.045	1.14	0.693	17.59	342	509
5	10	104/30	0.045	1.14	0.751	19.06	407	606

Above values are approximate and subject to standard manufacturing tolerance

POLYCAB Type SOOW
Flexible Cords, UL 62, 600 V AC

POLYCAB
IDEAS. CONNECTED.

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
5	18	5.6	22.4
2	16	13	14.1
3	16	13	14.1
4	16	10	14.1
5	16	8	14.1
2	14	18	8.88
3	14	18	8.88
4	14	15	8.88
5	14	12	8.88
2	12	25	5.58
3	12	25	5.58
4	12	20	5.58
5	12	16	5.58
2	10	30	3.51
3	10	30	3.51
4	10	25	3.51
5	10	20	3.51

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