



Images not to scale. Follow table for dimensions

## APPLICATION

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

## CHARACTERISTICS

**Voltage Rating**  
300 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

### 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  
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



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	0.27	6.95	36	54
3	18	16/30	0.030	0.76	0.29	7.38	46	69
4	18	16/30	0.030	0.76	0.32	8.08	57	85
2	16	26/30	0.030	0.76	0.30	7.59	45	68
3	16	26/30	0.030	0.76	0.32	8.07	59	88
4	16	26/30	0.030	0.76	0.35	8.85	74	110
2	14	41/30	0.030	0.76	0.33	8.34	58	86
3	14	41/30	0.030	0.76	0.35	8.88	78	115
4	14	41/30	0.030	0.76	0.38	9.76	98	146
2	12	65/30	0.030	0.76	0.40	10.06	89	132
3	12	65/30	0.030	0.76	0.42	10.68	118	175
4	12	65/30	0.030	0.76	0.46	11.68	148	220
2	10	104/30	0.045	1.14	0.54	13.58	151	225
3	10	104/30	0.045	1.14	0.57	14.42	200	298
4	10	104/30	0.045	1.14	0.62	15.78	252	375

\*Above values are approximate and subject to standard manufacturing tolerance

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.