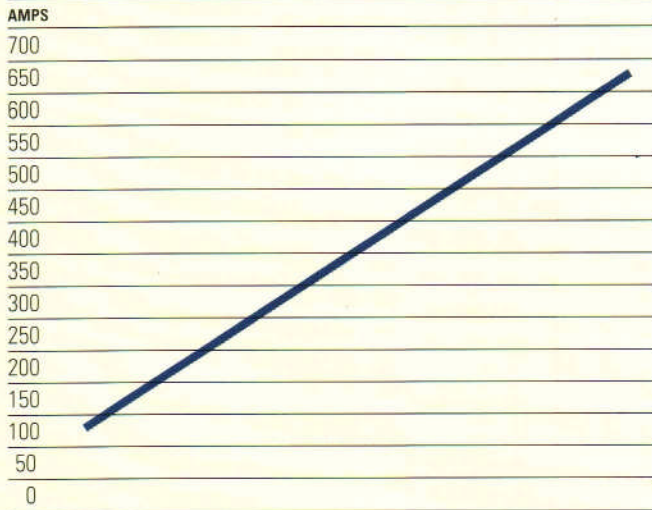


NOMINAL CROSS SECTION	CURRENT RATINGS (AMPS) FOR VARIOUS DUTY CYCLES (BASED ON 25°C AMBIENT)				
mm ²	100%	85%	60%	30%	20%
10	105	115	135	190	235
16	135	145	175	245	302
25	180	195	230	330	402
35	225	245	290	410	503
50	285	310	370	520	637
70	355	385	460	650	794
95	430	470	560	790	961
120	500	540	650	910	1118
150	580	620	740	1040	1297
185	660	715	850	1200	1476

Temperature Derating Factors

Ambient temp (°C)	20	25	30	35	40	45
Rating Factor	1.04	1.00	0.96	0.91	0.87	0.82

Current Ratings (100% duty cycle based on 5 minute period)

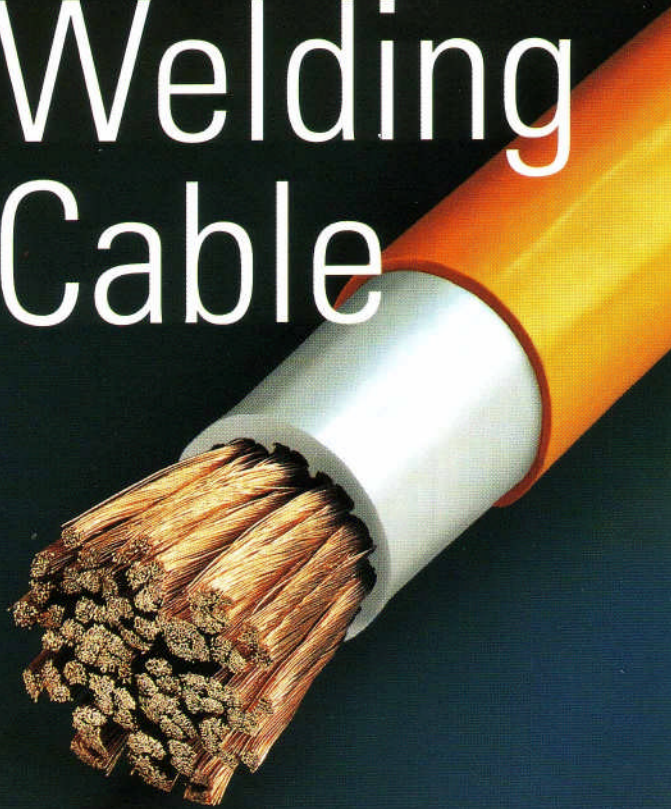


Size (mm ²)	10	16	25	35	50	70	95	120	150	185
Size (AWG/MCM)	6	4	2	1	1/0	2/0	3/0	4/0	250	300 350



the world's most flexible cable manufacturer

Triangle Premium Welding Cable



the world's most flexible cable manufacturer

Triangle premium welding cable is designed to provide the optimum combination of flexibility & strength.

Very fine 0.2 mm copper wires are used to construct a flexible conductor that complies with all International Standards. A double insulation system is then extruded over the conductor to provide electrical strength and durability.

The outer sheath is a specially formulated Synthetic Rubber compound that resists oils, solvents, ozone, sea-water and prolonged ultraviolet exposure. Furthermore, the bright orange sheath does not sustain combustion and self-extinguishes immediately upon removal of the flame source.

Customer Printing Up to 60 characters of customer text can be printed twice / metre along the cable in bold permanent letters. This message can be used to promote business and to discourage theft.

Metre-marking Every metre along the cable, a descending number is printed indicating the balance of cable remaining. This not only provides a guarantee on the correct cable quantity, but is also very useful for stock-takes and issuing of cable to customers.

Product Information Every metre, the size of the cable is clearly printed for easy identification. Furthermore, every 3 metres, product information is printed including current rating/duty cycles and a unique Serial Number for Quality Assurance.

Packaging Coils, spools or drums.

Technical Specifications

Conductor: Plain Annealed Copper Wire

Insulation: PVC 90°C

Sheath: NBR 90°C Orange (other colours on request)

Voltage: 600/1000 Volts

Standards: AS 3147, AS 1995, IEC 245-6, TIS 448-2525

Catalogue Code	Size mm sq	Nominal OD (mm)	Approx. weight (kg/km)	DC (Ohm/km) Resistance
PCW01010	10	9.4	15	1.840
PCW01016	16	11.0	22	1.160
PCW01025	25	12.0	30	0.758
PCW01035	35	13.6	41	0.536
PCW01050	50	15.4	56	0.379
PCW01070	70	17.0	74	0.268
PCW01095	95	19.9	100	0.198
PCW01120	120	21.6	124	0.153
PCW01150	150	24.3	155	0.123
PCW01185	185	27.3	190	0.097

