

Product Data Sheet

Welding Cable



Product Description

Thermoset insulation
Thermoset jacket
105°C

Welding Machine Rating	Lengths up to 45 ft. AWG	Lengths up to 100 ft. AWG	Lengths up to 250 ft. AWG
75 Amperes	4	4	4
100 Amperes	2	2	2
200 Amperes	1	1	2/0
300 Amperes	1/0	2/0	4/0
400 Amperes	2/0	3/0	----
600 Amperes	3/0	4/0	----

Note: Lengths are from power supply to electrode holder (one way). Ampacity values are not NEC values.

Applications

For use as flexible lead from welding machine to electrode holder. These cables are designed for use only with the secondary voltages typical of welding equipment. Can not be used as motor lead.

Specifications

- CONDUCTOR: Class K (30 AWG*) rope-stranded copper per ASTM B-172, a separator is applied over the conductor
- OVERALL JACKET: Thermoset meeting the requirements of ICEA S-75-381 (NEMA WC58)
- TEMPERATURE: 105°C

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*34 AWG stranding also available. UL available on request. Diameters and weights may vary among manufacturers. Additional colors available from stock (e.g. red). Stranding varies by manufacturer.

Anixter No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.
5J-0601	6	259	0.070	0.380	135
5J-0401	4	413	0.070	0.420	215
5J-0301	3	532	0.070	0.470	230
5J-0201	2	651	0.070	0.495	280
5J-0101	1	840	0.070	0.520	360
5J-1011	1/0	1,050	0.090	0.615	425
5J-2021	2/0	1,323	0.090	0.650	510
5J-3031	3/0	1,666	0.110	0.720	615
5J-4041	4/0	2,107	0.110	0.835	760
5J-2501	250	2,450	0.125	0.925	855
5J-3501	350	3,458	0.125	1.050	1,290
5J-5001	500	5,054	0.125	1.210	1,800