

Portable Welding Cable 600V (AWG)

Applications

These cables are designed for use as flexible welding leads connecting the electrode holder to the welding machine in the secondary circuit of electric arc welding systems.

Standards

ICEA S-75-381/NEMA WC 58
ASTM B 172
ASTM B 33
CAN/CSA C22.2 No. 96
UL 1581

Construction

Conductors: Class K/M stranded annealed copper conductor.

Sheath: EPR. Other sheath materials can be offered as an option.

Options:

Other jacket materials such as CSP/PCP/NBR/PVC are available upon request.

Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Operating Temperature: +90℃

Dimensions and Weight:

Construction	No. of Strands	Nominal Insulation Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
		inch	mm	inch	mm	lbs/kft	kg/km	
No. of cores×AWG/kcmil	-	inch	mm	inch	mm	lbs/kft	kg/km	A
1×6	259	0.060	1.5	0.37	9.4	124	184	125
1×4	420	0.060	1.5	0.42	10.7	180	268	182
1×2	665	0.060	1.5	0.49	12.5	268	399	271
1×1	836	0.080	2.0	0.53	13.3	319	475	360
1×1/0	1045	0.080	2.0	0.59	14.9	415	617	444
1×2/0	1330	0.080	2.0	0.64	16.3	508	756	535
1×3/0	1672	0.080	2.0	0.70	17.8	628	934	667
1×4/0	2107	0.080	2.0	0.81	20.7	775	1153	809
1×250	2499	0.095	2.4	0.88	22.4	934	1390	1048
1×350	3458	0.095	2.4	1.01	25.6	1267	1885	1396
1×500	5054	0.095	2.4	1.18	30.0	1801	2680	1973