




PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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ROYAL[®] / SUPER EXCELENE[®] WELDING CABLE

Construction Parameters:

CONDUCTOR: 6 AWG - 4/0 AWG stranded bare copper
INSULATION: Chlorinated Polyethylene (CPE)
COLORS: Black
PRINT LEGENDS: E178457 XX AWM (UL) ROYAL     SUPER EXCELENE WELDING CABLE 90C (-50C) OIL RESISTANT 600V
-- MADE IN USA

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -50 °C to 90 °C

ELECTRICAL PROPERTIES:

VOLTAGE RATING: 600V rms, Max

Industry Approvals:

- o ASTM B-172
- o UL 1276
- o National Electrical Code Article 630

Applications & Features:

- o Designed for use as welding leads from the secondary side of the power source - typical of arc welders and welding generators.
- o Flexible lead cable; electrode to welder unit, battery cables, and temporary and permanent lead cables.
- o Ozone, sun, weather and chemical resistant.

Part Number	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Lb./kft.	kg/km	
F06016	6	1	266/30	0.080	2.03	0.359	9.12	145	216	0.41
F04038	4	1	420/30	0.080	2.03	0.414	10.52	205	305	0.26
F03009	3	1	525/30	0.080	2.03	0.455	11.56	253	377	0.21
F02033	2	1	644/30	0.080	2.03	0.482	12.24	295	439	0.17
F01020	1	1	833/30	0.080	2.03	0.522	13.26	357	531	0.13
F1T010	1/0	1	1026/30	0.090	2.29	0.582	14.78	456	679	0.11
F2T008	2/0	1	1330/30	0.090	2.29	0.637	16.18	555	826	0.08
F3T045	3/0	1	1672/30	0.090	2.29	0.670	17.02	650	967	0.06
F4T009	4/0	1	2052/30	0.090	2.29	0.750	19.05	764	1137	0.05

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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Customer Company Name: _____

Date: _____

Customer Approval: _____

Customer Title: _____

Specification Issue Date: September 26, 2013