



WELDING PRODUCTS



Coleman Cable Inc.

A tradition of excellence...

Exceptional Performance.

Coleman Cable Inc. is a worldwide leader in the development, design, manufacture, marketing & distribution of wire and cable products. A Broad Range of Products, Innovative Solutions, Recognized Brands, and a Solid Service Platform are the foundation that Coleman Cable's Dedicated, Professional People build upon to create Customer Value. These characteristics, combined with strategic acquisitions, such as Copperfield, establish and strengthen Coleman Cable's leadership position as a one of the premier US-based manufacturers of electrical, electronic and assembled wire and cable products.

The **Coleman Cable Royal®/Excelene®** brand of welding cable covers a wide variety of performance requirements for the industrial and construction markets for welding, power supply and battery power applications. Our welding cables are available in a variety constructions all backed by widely recognized brand names, such as Royal/Excelene thermoset (rubber), Seoprene® (TPE) and Super Excelene®. CCI's advanced manufacturing process controls, quality assurance processes and vertically integrated copper fabrication facilities enables us to take a leadership position as a highly cost-competitive resource for top-quality welding cable products.

Welding Cable Applications:

- NEC Article 630 electric welders
- Electrode holder & clamp connections to arc welder, bus, welding box or transformer
- Leads from welding machine to electrode holder for automatic welding machines
- Permanent or temporary lighting
- Battery chargers & battery cables
- Hoists, cranes & power supply



Royal/Excelene® Welding Cable

ROYAL **ExCELENE®**

- Ethylene-Propylene Rubber (EPR)
- -50°C to 105°C
- Resistant to oil, chemicals, water, ozone, & solvents
- Sequential foot-marked
- Red jacket available
- RoHS Compliant
- Made in the USA



Part #	Description	Stranding	Nom. Jacket Thickness	Nom. OD	WT/M'
10411	6-EPR (EPDM)	266	0.065	0.305	116
10412	4-EPR (EPDM)	392	0.064	0.340	159
10413	2-EPR (EPDM)	644	0.065	0.420	254
10414	1-EPR (EPDM)	784	0.084	0.490	323
10415	1/0-EPR (EPDM)	1026	0.082	0.525	395
10416	2/0-EPR (EPDM)	1254	0.085	0.570	473
10417	3/0-EPR (EPDM)	1615	0.084	0.635	598
10418	4/0-EPR (EPDM)	2052	0.084	0.695	749
F25001*	250 MCM-EPR (EPDM)	2451	0.148	0.875	1060
F35003*	350 MCM-EPR (EPDM)	3458	0.125	0.960	1393
F50001*	500 MCM-EPR (EPDM)	4921	0.160	1.150	1890

Other sizes available upon request

* Minimums & lead times may apply

Seoprene® Welding Cable

- Seoprene TPE jacket
- Easy-to-strip
- Light weight
- -50°C to 105°C
- MSHA Approved, RoHS Compliant
- Resistant to flame, oil, grease, solvents & ozone
- Abrasion resistant
- Made in the USA



Custom Colors & Legends Available
Minimums & Lead Times Apply

Super Excelene® Welding Cable

- Thermoset CPE jacket
- -50°C to 90°C
- Class "K" soft-annealed, bare copper
- UL Listed
- Resistant to chemicals, oils, acids, weather, ozone & sunlight resistant
- Call for minimums & lead times
- Made in the USA

Recommended Minimum Welding Cable Sizing Chart

Welding Current	Length in Feet For Total Circuit for Secondary Voltages Only (DO NOT Use This Table For 600 Volt In-Line Applications)						
Amps	50	100	150	200	250	300	350
100	4	4	4	2	2	1	1/0
150	4	4	2	1	1/0	2/0	3/0
200	2	2	1	1/0	2/0	3/0	4/0
250	2	2	1/0	2/0	3/0	4/0	
300	1	1	2/0	3/0	4/0		
350	1/0	1/0	3/0	4/0			
400	2/0	2/0	3/0				
500	3/0	4/0	4/0				
600	4/0	4/0					

- Ampacities are based on 105°C conductor temperature, 40°C ambient air / 50% duty cycle and approximate voltage drop of 4V @ 25°C conductor temperature or 5VB @ 105°C conductor temperature.
- Dimensions and weights are subject to normal manufacturing tolerances. All data herein is subject to change without notice.



Welding Cable Assemblies

- Royal/Excelene Welding Cable
- Professionally assembled & tested
- Other lengths, sizes, and connectors available upon request
- Call for minimums & lead times
- Assembled in the USA

Part #	Description	Length	Std Pk Qty	WT/Ea.
10416-T8-08	2/0-EPR (EPDM)	50ft Coil, w/Tweco Connectors	25	27
10416-T9-08	2/0-EPR (EPDM)	100ft Coil, w/Tweco Connectors	25	52

TWECO® is a registered trademark of Thermadyne® and is not affiliated in any way with Coleman Cable Inc.



Welder Extension Cords

- Heavy-duty STW jacket
- Lighted receptacle end indicates when power is on
- Molded ends offer safety and convenience on the jobsite
- 40 Amp, 250 Volts & 10,000 Watts

Part #	Description	Length	Male End	Female End	Std Pk Qty	WT/Ea.
01940-88-08	8/3 STW Black	1.5 ft.	14-50P	Lighted 6-50R	12	2
01941-88-08	8/3 STW Black	10 ft.	14-50P	Lighted 6-50R	4	6
01917-88-06	8/3 STW Blue	25 ft.	6-50P	Lighted 6-50R	2	11
01922-88-06	8/3 STW Blue	50 ft.	6-50P	Lighted 6-50R	1	22



Bare Copper Wire - Solid & Stranded, Unjacketed, Soft Drawn

- Highest conductivity per unit area of all commonly used metals to conduct electricity
- Flexible, easily shaped and contoured into place
- Easily welded and soldered
- Used for grounding grid systems, in overhead transmission and distribution systems



Part #	Size	Stranding	WT/M'
F54601	14	Solid BC	13
F54602	12	Solid BC	21
F54603	10	Solid BC	34
F54604	8	Solid BC	60
F54685	6	Solid BC	82
F54614	8	7/.0486 BC	53
F54605	6	7/.0612 BC	84
F54606	4	7/.0772 BC	143
F54607	2	7/.0974 BC	217
F54608	1/0	19/.0745 BC	345
F54609	2/0	19/.0837 BC	430
F54610	3/0	19/.0940 BC	558
F54611	4/0	19/.1055 BC	680
F54625	250 MCM	37/.0822 BC	792
F54635	350 MCM	37/.0973 BC	1102
F54650	500 MCM	37/.1162 BC	1563

Put-Up Codes: (05) 500' reel, (06) 1000' reel, (09) 2500' reel, (13) 3000' reel

Specifications & Standards

- ASTM B3 – Soft or Annealed Copper Wire
- ASTM B8 – Concentric-Lay-Stranded Copper Conductors



Royal® Portable Cord & Control Cable



The Royal Crown Series portable cords are manufactured with advanced synthetic rubber compounds that provide exceptional flexibility, and excellent resistance to flame, deformation, ozone, oils, acids and chemicals. These designs are rated for service from -40°C to 90°C and meet MSHA flame test requirements. Unless otherwise noted, these are also UL listed and CSA approved.

Part #	Size	Type	Jacket Color	Wt/ 1000'
823225	18/2	SJOOW	Black	51
823325	18/3	SJOOW	Black	64
822225	18/2	SOOW	Black	72
822325	18/3	SOOW	Black	89
822425	18/4	SOOW	Black	103
830605	18/6	SOOW	Black	150
822226	16/2	SOOW	Black	86
822326	16/3	SOOW	Black	99
822426	16/4	SOOW	Black	122
830806	16/8	SOOW	Black	206
831006	16/10	SOOW	Black	256
831206	16/12	SOOW	Black	334
822227	14/2	SOOW	Black	146
822327	14/3	SOOW	Black	182
822427	14/4	SOOW	Black	214
822228	12/2	SOOW	Black	206
822328	12/3	SOOW	Black	236
822428	12/4	SOOW	Black	299
822229	10/2	SOOW	Black	252
822329	10/3	SOOW	Black	314
822429	10/4	SOOW	Black	371
822320*	8/3	SOOW	Black	321
822420*	8/4	SOOW	Black	458
822321*	6/3	SOOW	Black	488
822421*	6/4	SOOW	Black	656
822322*	4/3	SOOW	Black	696
822422*	4/4	SOOW	Black	897
822323*	2/3	SOOW	Black	976
822423*	2/4	SOOW	Black	1256

* Not UL Listed or CSA Approved

Put-Up Codes: (04) 250' reel, (05) 500' reel, (06) 1000' reel, (64) 250' pullout box

Seoprene SE0 and SJEO are also available



Exceptional Performance

is reflected in everything we do.

Coleman Cable Inc. customers know they can rely on us to consistently deliver a broad range of wire and cable products and innovative solutions backed by recognized brands. These characteristics combined with a solid service platform and dedicated professional people, create a dynamic customer value that's exclusive to Coleman Cable.

Broad Range of Products -

We provide one of the most extensive and diverse lines of electrical, electronic and assembled products in the industry. Through research, development and strategic acquisitions, such as Copperfield, we continue to enhance our product mix to meet customer needs.

Innovative Solutions -

From custom cables for industrial, aerospace or military applications to the latest in electronic cables for security systems, you'll find Coleman Cable at the forefront of product and technology innovation.

Recognized Brands -

Seoprene®, Royal®, Baron™, Road Power®, Signal®, Copperfield®, Excelene™ and Polar/Solar® all are leaders in their respective markets. Our distributors know that when they provide these leading brands to their customers, they receive instant acceptance and credibility in the marketplace.

Solid Service Platform -

We utilize more than 2 million sq ft of strategically located, state-of-the-art, ISO-certified manufacturing and distribution facilities. This national footprint and extensive investment in service systems powers us to deliver more than 70,000 SKUs with a better than 97% first-fill rate.

Dedicated Professional People -

We deliver strong performance because our people deliver strong performance every day. We've built a culture that puts customer needs first, making us easy to do business with and placing us at the top of our customers' list of suppliers.

Customer Value -

A Broad Range of Products, Innovative Solutions, Recognized Brands, and a Solid Service Platform are the foundation that Coleman Cable's Dedicated, Professional People build upon to create Customer Value.

