

Get Plugged In with CarolGrene™ Ultra Flex® EV Cables

CAROL®

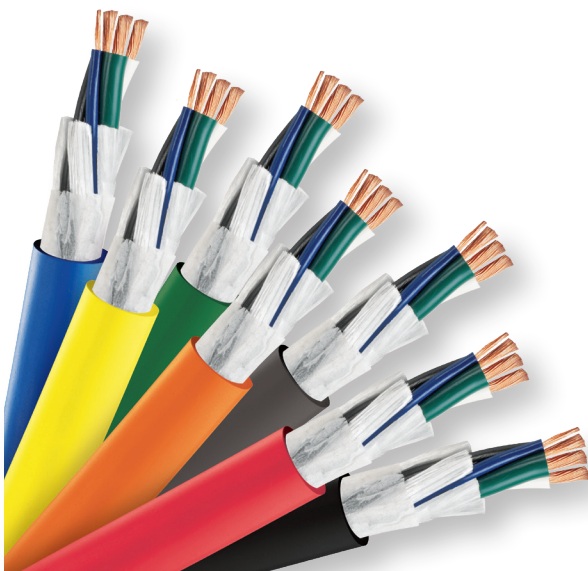


Charging Forward with Portable Power for Hybrid & Electric Vehicles

Prysmian Group's line of CarolGrene™ Ultra Flex® EV Cables supplies charging power for all electric vehicles on the market today and is compatible with commercial and residential charging applications.

The CarolGrene Electric Vehicle cable line, when terminated in accordance with electric vehicle industry standards, is the most comprehensive product offering with three standard jacket types:

- **CarolGrene EV All-Rubber Jacket** – offers the most flexible, durable cord with superior chemical and abrasion resistance to withstand daily abuse and temperature extremes in the harshest of environments; ideal for commercial and industrial applications
- **CarolGrene EVE Thermoplastic Elastomer (TPE) Jacket** – lightweight for easy handling, superior flexibility in comparison to other TPE jackets, and can be molecularly bonded to caps and connectors for lasting strength, even in rough applications
- **CarolGrene EVT Polyvinylchloride (PVC) Jacket** – the most economical of the three standard jacketed EV cables in the line; lightweight and best suited for consumer or home charging applications



CarolGrene cables are offered in standard configurations or may be custom-designed for any type of Level 1 or Level 2 NEC 625 charging station application with items such as:

- Custom jacket type and color
- Your name printed directly to the jacket for private labeling
- Customized construction to suit any type of applications, including options for power, signal, data and fiber hybrid cables in any AWG size

CarolGrene cables are built to the following standards:

- UL 62 approved
- Compatible with SAE J1772 connectors and UL 2594 and NEC 625 charging stations
- RoHS Compliant for EV charging stations in wet locations

With over 50 years of experience behind us and an intense focus on Lean Sigma practices and extensive certifications, including the ISO/TS 16949 certification, CAROL® leads the industry in quality and innovation. We are focused on one goal – fulfilling your needs with quality products, availability and service.

CarolGrene™ Ultra Flex®

Type EVJ/EVJE/EVJT and EV/EVE/EVT

105 C, 300 and 600 Volt, UL/CSA Electrical Vehicle Charging Cord



Product Construction:

Conductors:

- 18 through 8 AWG fully annealed stranded bare copper per ASTM B-174

Insulation:

- Thermoplastic Elastomer
- Color code: See chart below

Jacket:

- Ultra Flex Thermoplastic Elastomer, black, Carolprene rubber or custom color
- Temperature range: -50°C to +105°C UL/CSA

Jacket Marking:

- CAROLGRENE ULTRA FLEX ELECTRIC VEHICLE CABLE - E333326-8 (UL) 3 COND 10 AWG + 1 COND 18 AWG 105C DRY 60C WET 600 V EVE

Target Applications/Markets:

- Level 1 - 120 volt charging units
- Level 2 - 240 volt charging units
- Compatible with SAE J1772 EV plug standard
- UL 2594 and NEC 625 residential and commercial charging stations
- Ideal for electric vehicles (EV), neighborhood electric vehicles (NEV), battery electric vehicles (BEV), hybrid vehicles, low-speed vehicles (LSV), personal electric vehicles (PEV), plug-in hybrid vehicles (PHV) and plug-in hybrid electric vehicles (PHEV)

Features:

- Superior flexibility
- Lightweight
- Oil-resistant jacket
- Non-marking
- Excellent molding characteristics
- Water-resistant jacket, insulation and fillers

Industry Approvals:

- UL 62 for Type EVE/EVJE/EV/EVJ
- RoHS Compliant
- UL Listed and c(UL) Listed for Indoor or Outdoor Use (18-10 AWG)

Color Code Chart

No. of Conductors	Color
2	Black, White
3	Black, White, Green/Yellow
4	Black, White, Red, Green/Yellow
5	Black, White, Red, Green/Yellow, Orange

UL TYPE EVJ, EVJE, EVJT - 300 VOLT

Catalog Number	No. Of Cond.	AWG Size	Cond. Strand	Nom. Ins. Thickness		Jacket Nominal O.D.		Current Amps†	Approx. Net Wt. Lbs/M ⁽⁵⁾	Std. Ctn.
				Inches	mm	Inches	mm			
EVJ143	3	14	41/30	0.030	0.76	0.390	9.91	18	105	1000'
	1	18	16/30							
EVJ123	3	12	65/30	0.030	0.76	0.455	11.56	25	130	1000'
	1	16	16/30							
EVJE143	3	14	41/30	0.030	0.76	0.390	9.91	18	87	1000'
	1	18	16/30							
EVJE123	3	12	65/30	0.030	0.76	0.454	11.53	25	125	1000'
	1	18	16/30							
EVJT143	3	14	41/30	0.030	0.76	0.390	9.91	18	88	1000'
	1	18	16/30							
EVJT123	3	12	65/30	0.030	0.76	0.454	11.53	25	127	1000'
	1	18	16/30							

UL TYPE EV, EVE, EVT - 600 VOLT

Catalog Number	No. Of Cond.	AWG Size	Cond. Strand	Nom. Ins. Thickness		Jacket Nominal O.D.		Current Amps†	Approx. Net Wt. Lbs/M ⁽⁵⁾	Std. Ctn.
				Inches	mm	Inches	mm			
EV1403	3	14	41/30	0.045	1.14	0.545	13.84	1	180	1000'
	1	18	16/30	0.030	0.76					
EV1203	3	12	65/30	0.045	1.14	0.580	14.73	25	210	1000'
	1	18	16/30	0.030	0.76					
EV1003	3	10	104/30	0.045	1.14	0.620	15.75	30	270	1000'
	1	18	16/30	0.030	0.76					
EV0803	3	8	133/29	0.060	1.14	0.900	22.86	40	510	1000"
	1	18	16/30	0.030	1.14					
EVE1403	3	14	41/30	0.045	1.14	0.560	14.22	18	150	1000'
	1	18	16/30	0.030	0.76					
EVE1203	3	12	65/30	0.045	1.14	0.588	14.94	25	181	1000'
	1	18	16/30	0.030	0.76					
EVE1003	3	10	105/30	0.045	1.14	0.675	17.15	30	249	1000'
	1	18	16/30	0.030	0.76					
EVE0803	3	8	168/30	0.060	1.52	0.895	22.73	40	415	1000'
	1	18	16/30	0.030	0.76					
EVT1403	3	14	41/30	0.045	1.14	0.560	14.22	18	155	1000'
	1	18	16/30	0.030	0.76					
EVT1203	3	12	65/30	0.045	1.14	0.588	14.94	25	186	1000'
	1	18	16/30	0.030	0.76					
EVT1003	3	10	105/30	0.045	1.14	0.675	17.15	30	255	1000'
	1	18	16/30	0.030	0.76					
EVT0803	3	8	168/30	0.060	1.52	0.895	22.73	40	427	1000'
	1	18	16/30	0.030	0.76					

(1) Ampacities based on 90°C conductor and 30°C ambient temperature per Table 400.5(A) of the National Electrical Code.

(5) Actual shipping weight may vary.



General Cable

A Brand of Prysmian Group

Prysmian Group

4 Tessenner Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
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