

Get Plugged In with CarolGrene™ Ultra Flex® EV Cables

CAROL®

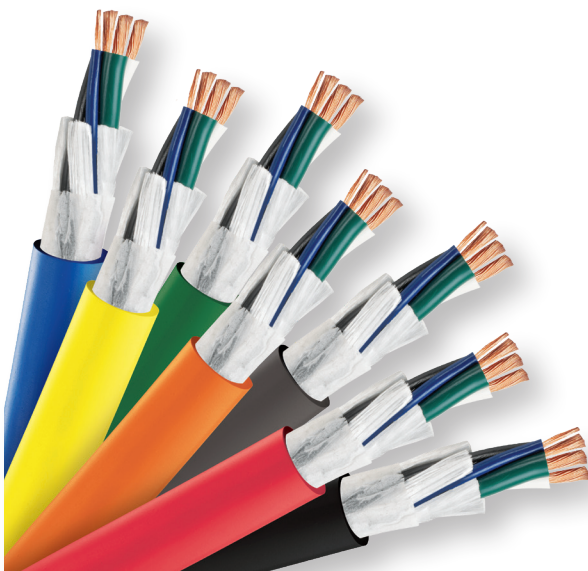


Charging Forward with Portable Power for Hybrid & Electric Vehicles

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 EVJE, EVE, EVJT and EVT

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



Product Construction:

Conductors:

- 18 through 6 AWG fully annealed stranded bare copper
- ASTM B-174

Insulation:

- Premium-grade, color-coded 105°C Thermoplastic Elastomer for types EVJE & EVE
- PVC for types EVJT & EVT
- Color code: See chart below

Jacket:

- 105°C, black, Thermoplastic Elastomer for types EVJE & EVE
- 105°C, black, PVC for types EVJT & EVT
- Temperature range: -50°C to +105°C – TPE
-40°C to +105°C – PVC

Jacket Marking:

- UL Type EVE - CAROLGRENE™ ULTRA FLEX® ELECTRIC VEHICLE CABLE -- (SIZE) (mm²) E333326-8 (UL) EVE 105°C DRY 60°C WET 600 V FT2 - ROHS - MADE IN USA
- UL Type EVJE - CAROLGRENE™ ULTRA FLEX® ELECTRIC VEHICLE CABLE -- (SIZE) (mm²) E333326-8 (UL) EVJE c(UL) 105°C DRY 60°C WET 300 V FT2 - ROHS - MADE IN USA

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 (EVE & EVJE)
- Lightweight
- Water-resistant
- Oil-resistant jacket
- Excellent molding characteristics
- Suitable for immersion in water*
- UL listed for outdoor use

Industry Approvals:

- UL 62 for Type EVE/EVJE/EVT/EVJT
- RoHS Compliant

Other AWG sizes, conductor counts, and put-ups available on special order.

* Suitable for immersion in water if properly sealed and terminated.

UL TYPE EVE & EVJT - 300 VOLT

| Catalog Number | No. Of Cond. | AWG Size | Cond. Strand | Nominal Conductor Thickness | | Nominal Insulation Thickness | | Jacket Nominal O.D. | | Current Amps ⁽¹⁾⁽²⁾ | Approx. Net Wt. Lbs/M ⁽⁵⁾ |
|----------------|--------------|----------|--------------|-----------------------------|------|------------------------------|------|---------------------|-------|--------------------------------|--------------------------------------|
| | | | | Inches | mm | Inches | mm | Inches | mm | | |
| EVJE163 | 3 | 16 | 26/30 | 0.061 | 1.55 | 0.030 | 0.76 | 0.361 | 9.17 | 13 | 75 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | | | | | | |
| EVJE143 | 3 | 14 | 41/30 | 0.077 | 1.96 | 0.030 | 0.76 | 0.390 | 9.91 | 18 | 95 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | | | | | | |
| EVJE123 | 3 | 12 | 65/30 | 0.096 | 2.44 | 0.030 | 0.76 | 0.454 | 11.53 | 25 | 130 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | | | | | | |
| EVJT143* | 3 | 14 | 41/30 | 0.077 | 1.96 | 0.030 | 0.76 | 0.390 | 9.91 | 18 | 95 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | | | | | | |
| EVJT123* | 3 | 12 | 65/30 | 0.096 | 2.44 | 0.030 | 0.76 | 0.454 | 11.53 | 25 | 130 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | | | | | | |

UL TYPE EVE & EVT - 600 VOLT

| Catalog Number | No. Of Cond. | AWG Size | Cond. Strand | Nominal Conductor Thickness | | Nominal Insulation Thickness | | Jacket Nominal O.D. | | Current Amps ⁽¹⁾ | Approx. Net Wt. Lbs/M ⁽⁵⁾ |
|----------------|--------------|----------|--------------|-----------------------------|------|------------------------------|------|---------------------|--------|-----------------------------|--------------------------------------|
| | | | | Inches | mm | Inches | mm | Inches | mm | | |
| EV1603 | 3 | 16 | 26/30 | 0.061 | 1.55 | 0.030 | 0.76 | 0.468 | 11.89 | 13 | 110 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVE1403 | 3 | 14 | 41/30 | 0.077 | 1.96 | 0.045 | 1.14 | 0.560 | 14.22 | 18 | 150 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVE1203 | 3 | 12 | 65/30 | 0.094 | 2.39 | 0.045 | 1.14 | 0.588 | 14.94 | 25 | 200 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVE1003 | 3 | 10 | 104/30 | 0.118 | 3.00 | 0.045 | 1.14 | 0.675 | 17.15 | 30 | 270 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVE0803 | 3 | 8 | 168/30 | 0.165 | 4.19 | 0.060 | 1.52 | 0.906 | 23.01 | 74 | 465 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVE0608 | 2 | 6 | 133/27 | 0.203 | 5.16 | 0.060 | 1.52 | 0.961 | 24.41 | 99 | 515 |
| | 1 | 8 | 133/29 | 0.160 | 4.06 | 0.060 | 1.52 | | | | |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVT1403* | 3 | 14 | 41/30 | 0.077 | 1.96 | 0.045 | 1.14 | 0.560 | 14.22 | 18 | 150 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |
| EVT1203* | 3 | 12 | 65/30 | 0.094 | 2.39 | 0.045 | 1.14 | 0.588 | 17.945 | 25 | 200 |
| | 1 | 18 | 16/30 | 0.048 | 1.22 | 0.030 | 0.76 | | | | |

(1) Ampacities for 10 AWG and smaller cords based on 30°C ambient temperature per Table 400.5(A)(1) of the National Electrical Code®. Ampacities for 8 AWG and larger cords based on 30°C ambient temperature per Table 400.5(A)(2) of the National Electrical Code®.

(2) Green conductor for grounding only.

* Non-stock item; minimum quantity purchase required.

(5) Actual shipping weight may vary.

Color Code Chart

| Conductors | Colors |
|------------|---------------------|
| POWER | Black, White, Green |
| SIGNAL | Blue |



General Cable

A Brand of Prysmian Group

Prysmian Group

4 Tessenner Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
CAR-0004-1021