

CarolGrene™ Ultra Flex® Types EVJ and EV

90°C, 300 and 600 Volt, UL Electrical Vehicle Charging Cord

Product Construction

Conductor:

- 18 through 4 AWG fully annealed stranded bare copper
- ASTM B3

Insulation:

- Premium-grade, color-coded 90°C EPDM
- Color code: See chart below

Jacket:

- Carolprene® rubber, black

Jacket Marking:

- UL Type EV - CAROLGRENE™ ELECTRIC VEHICLE (SIZE) (mm²) E333326 (UL) EV CSA 90°C DRY 60°C WET 600 V FT2 ROHS MADE IN USA
- UL Type EVJ - CAROLGRENE™ ELECTRIC VEHICLE (SIZE) (mm²) E333326 (UL) EVJ CSA 90°C DRY 60°C WET 300 V FT2 ROHS MADE IN USA

Applications:

- 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 charging electric vehicles (EV), neighborhood electric vehicles (NEV), battery electric vehicles (BEV), low-speed vehicles (LSV), personal electric vehicles (PEV), plug-in hybrid vehicles (PHV), and plug-in hybrid electric vehicles (PHEV)

Features:

- Superior flexibility in cold temperatures
- Lightweight
- Water-resistant
- Oil-resistant jacket
- 105°C rating also available
- Suitable for immersion in water*
- UL Listed for outdoor use

Industry Approvals:

- UL 62 for Type EV and EVJ
- RoHS Compliant

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

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



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL COND. O.D.		NOMINAL INS. THICKNESS		NOMINAL O.D.		CURRENT AMPS ^{(1) (2)}	APPROX. NET WT. LBS/M ⁽⁵⁾
				INCHES	mm	INCHES	mm	INCHES	mm		

TYPE EVJ - 300 VOLT - UL

EVJ163	3	16	26/30	0.061	1.55	0.030	0.76	0.360	9.14	13	85
	1	18	16/30	0.048	1.22	0.030	0.76				
EVJ143	3	14	41/30	0.072	1.83	0.030	0.76	0.390	9.91	18	110
	1	18	16/30	0.048	1.22	0.030	0.76				
EVJ123	3	12	65/30	0.094	2.39	0.030	0.76	0.455	11.56	25	155
	1	18	16/30	0.048	1.22	0.030	0.76				

TYPE EV - 600 VOLT - UL

EV1403	3	14	41/30	0.072	1.83	0.045	1.14	0.545	13.84	18	185
	1	18	16/30	0.048	1.22	0.030	0.76				
EV1203	3	12	65/30	0.094	2.39	0.045	1.14	0.580	14.73	25	220
	1	18	16/30	0.048	1.22	0.030	0.76				
EV1003	3	10	104/30	0.117	2.97	0.045	1.14	0.630	16.00	30	275
	1	18	16/30	0.048	1.22	0.030	0.76				
EV0803	3	8	168/30	0.160	4.06	0.060	1.52	0.885	22.48	74	465
	1	18	16/30	0.048	1.22	0.030	0.76				
EV0608*	2	6	133/27	0.203	5.16	0.060	1.52	0.985	25.02	99	570
	1	8	133/29	0.160	4.06	0.060	1.52				
	1	18	16/30	0.048	1.22	0.030	0.76				
EV0406	2	4	133/25	0.242	6.15	0.060	1.52	1.080	27.43	130	777
	1	6	133/27	0.203	5.16	0.060	1.52				
	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

CAROLGRENE™
UltraFlex®