

CarolGrene™ Ultra Flex® Jacketed Types EVJE, EVE, EVJT and EVT

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

Product Construction:

Conductor:

- 18 through 6 AWG fully annealed stranded bare copper
- ASTM B3

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

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 (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.

COLOR CODE CHART

CONDUCTORS	COLORS
POWER	Black, White, Green
SIGNAL	Blue



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 ⁽³⁾
				INCHES	mm	INCHES	mm	INCHES	mm		

TYPE EVJE, EVJT

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	0.030	0.76				
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	0.030	0.76				
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	0.030	0.76				
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	0.030	0.76				
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	0.030	0.76				

TYPE EVE, EVT - 600 VOLT - UL

EVE1603	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				
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	14.94	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.

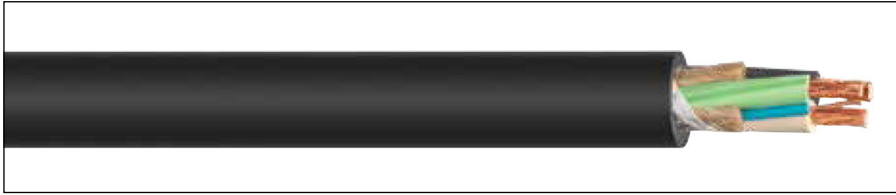
* Non-stock item; minimum quantity purchase required.

⁽³⁾ Actual shipping weight may vary.



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 ⁽³⁾
				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.

⁽³⁾ Actual shipping weight may vary.

COLOR CODE CHART

CONDUCTORS	COLORS
POWER	Black, White, Green
SIGNAL	Blue

