



UL 62 Type EVE / EVJE elastomer EV cable

EVE / EVJE

UL Type EVE / EVJE Elastomer Electric Vehicle Charging

UL 62 Type EVE (600/1000 V) & EVJE (300 V) cold-flexible elastomer EV charging cable



UL 62 & CSA C22.2 No. 49

Type EVJE (300 V) & EVE (600/1000 V)

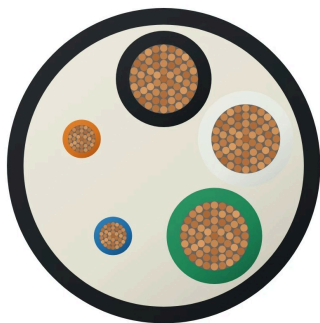
-40/-50 °C Elastomer · Crush Proof

Application

Premium UL 62 and CSA C22.2 No. 49 Listed elastomer electric vehicle charging cord (Type EVJE 300 V & Type EVE 600 V / 1000 V) with Class K rope-lay bare copper power + ground cores, SAE J1772 / J3400 pilot pairs and -40/-50 °C to +105 °C thermoset/TPE.

Typical uses: Public Highway DC Fast Charging Plazas (CCS1 / NACS), Cold-Climate Commercial & Municipal EV Charging, 80 A / 19.2 kW Heavy-Duty Fleet & Bus Depots, Outdoor Curbside & Parking-Garage EVSE Pedestals

Construction



Cross-section, not to scale

- 1 Extra-flexible Class K rope-lay bare (or tinned) copper
- 2 105 °C Elastomer (TPE / EPDM) primary insulation
- 3 Slip-agent-free separator tape & low-density fillers
- 4 Heavy-duty Oil & Sunlight Resistant Elastomer jacket

Technical data

Typical values

Rated voltage	300 V (Type EVJE) · 600 V or 1,000 V AC/DC (Type EVE)	Control & proximity pilot circuit	1 or 2 × 18–16 AWG (CP & PP) + optional shielded twisted pairs for PLC/CAN
Dielectric test voltage	1,500 V AC (EVJE) · 2,500–3,000 V AC (EVE) for 1 minute	Continuous operating temperature	–40 °C (–50 °C cold-impact option) to +90 °C / +105 °C dry (+75 °C wet)
Thermal cycling & overload stability	Verified thermal ageing and short-circuit withstand per standard	Tire drive-over crush & impact rating	≥ 5,000 N (1,125 lbf) crush + UL 62 cold-impact test at –40 °C
Minimum bending radius	5 × OD (static holstered) · 6 × OD (dynamic flexing)	Oil, chemical, UV & flame resistance	UL 62 Oil Res I & II, 720 h Sunlight Resistant, FT2 / VW-1 flame retardant
Environmental & chemical durability	Resistant to moisture, industrial fluids and service ageing	Standards	cULus UL 62 & CSA C22.2 No. 49 Type EVE / EVJE · NEC Article 625 & CEC

Sizes

8 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Power + Pilot layout	Rating	Outer Ø ≈ mm	Copper kg/km	Weight ≈ kg/km	Max. EVSE I A	Min. bend R mm
UL Type EVJE 300 V Cold-Flexible Portable EV Charging Cords 3 sizes							
☐ EVJE 3×16 AWG + 1×18 AWG	3×16 AWG + 1×18 AWG CP	300 V AC	9.8	52	122	13	49
☐ EVJE 3×14 AWG + 1×18 AWG	3×14 AWG + 1×18 AWG CP	300 V AC	11.0	78	158	18	55
☐ EVJE 3×12 AWG + 2×18 AWG	3×12 AWG + 2×18 AWG CP/PP	300 V AC	12.8	122	220	25	64
UL Type EVE 600 V Commercial & Fleet AC Level 2 (30 A to 80 A) Cables 4 sizes							
☐ EVE 3×10 AWG + 2×18 AWG	3×10 AWG + 2×18 AWG CP/PP	600 V AC	16.0	188	342	35	80
☐ EVE 3×8 AWG + 2×18 AWG	3×8 AWG + 2×18 AWG CP/PP	600 V AC	18.8	290	495	50	94
☐ EVE 3×6 AWG + 2×18 AWG	3×6 AWG + 2×18 AWG CP/PP	600 V AC	22.2	450	730	65	111
☐ EVE 3×4 AWG + 2×18 AWG	3×4 AWG + 2×18 AWG CP/PP	600 V AC	26.4	695	1,080	80	132
UL Type EVE 1000 V Uncooled DC Fast Charger (CCS1 / NACS) Cables 1 sizes							
☐ EVE 2×2/0 AWG + 1×4 AWG + 6×18 AWG	2×2/0 AWG DC + 4 AWG G + 3Pr	1000 V DC	33.8	1,580	2,240	250	169

– Available in matte black, high-visibility safety orange or custom OEM brand jacket colours.

Standards and approvals

- ✓ cULus UL 62 & CSA C22.2 No. 49 Type EVE / EVJE Listed
- ✓ NEC Article 625 & SAE J1772 / J3400 (NACS) Verified
- ✓ UL -40 °C Cold Impact & Sunlight Resistant

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

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Email

info@tebaoflex.com

Web

tebaoflex.com/cables/ul-type-eve-evje-elastomer-electric-vehicle-charging-cable



Typical values for this cable type, based on UL 62 / CSA C22.2 No. 49 / NEC Article 625 / SAE J1772 & J3400. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.