

EV Charging Cables



Pushing Performance



Description	Links to Other Materials
<p>Electric Vehicles need to charge, and standards were developed to define the interface between the EV and the charging infrastructure. The standard that is used in North America is SAE J1772, commonly referred to as Type-1. HARTING aims to sell these charging assemblies to Automotive OEMs and Charging Infrastructure OEMs.</p>	<ul style="list-style-type: none"> ■ https://www.harting.com/US/en/topics/electrical-vehicle-revolution-requires-reliable-charging ■ https://www.youtube.com/watch?v=JDzUvE7Pvxk ■ https://www.harting.com/sites/default/files/2022-10/2022-10-18_SG_emobility_interaktiv_EN_v2.pdf ■ Charging equipment for Electromobility HARTING Technology Group

HARTING Type-1 Assembly	Technical Characteristics
<ul style="list-style-type: none"> ■ The HARTING Type-1 assembly is compatible with the SAE J1772 standard and manufactured out of Silao, Mexico 	<ul style="list-style-type: none"> ■ Up to 80A ■ Can add customer logo ■ Flexible cable and terminations

Charging Stations



Portable Chargers



Key Trends/Needs in EV Charging	
<ul style="list-style-type: none"> ■ In-Region Manufacturing 	<ul style="list-style-type: none"> ■ The cost and duration of shipping assemblies from Asia is causing customers to look for North American manufacturing. HARTING also offers Buy America approved assemblies
<ul style="list-style-type: none"> ■ Quality 	<ul style="list-style-type: none"> ■ EV couplers will have to withstand a lot of abuse between weather conditions and lots of wear-and-tear ■ Rugged connectors are required
<ul style="list-style-type: none"> ■ Increased Power 	<ul style="list-style-type: none"> ■ The industry is interested in lowering the time it takes to charge an EV. This requires higher power in the charging assembly, and new technology is being developed. HARTING is developing CCS1, bi-directional CCS1, liquid-cooled CCS1, and MCS and plans to offer in the near future

APPLICATIONS