



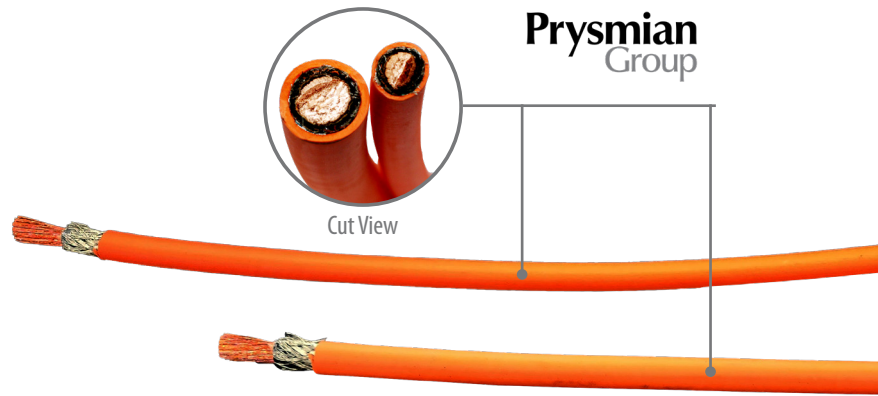
# HIGH VOLTAGE SHIELDED BATTERY CABLE FOR EV APPLICATIONS

Maximize the lifespan and performance of your Prysmian Cables with wire management solutions from IEWC.



Click logo to view wire management products.

Prysmian high voltage shielded battery cables are designed specifically for electrical vehicle applications and are suitable for use inside the engine compartment. These cables are made with high performance and reliability in mind, while also ensuring easy installation for even the most complex harnesses.



## PRODUCT AT A GLANCE

- 150°C - XLPO (EPDM)
- Single-Core
- Flexible stranding
- 1000V AC or 1500V DC
- Temperature range: -40°C to 150°C

## Features

- Conductors: Bare copper
- Insulation: 150° C XLPO (EPDM)
- Sheath: 150° C XLPO (EPDM)
- Shield: Tinned copper braid
- Screening: Aluminum-backed PET foil in contact with braid

## Compliance

- ISO 19642-9 & 19642-5 Cable Class D
- Conductors: ISO 19642-5 (flexible) Cable Class D
- RoHS Compliant

IEWC Part #	IEWC Description	Mfg. Part#	Size	Stranding	Insulation Thickness Nom.	O.D.	
						Min.	Max.
<a href="#">32178701</a>	35mm <sup>2</sup> , 1C, 1KV XLPO Insulated, Thin Wall	158301-218	35mm <sup>2</sup>	1064	0.80mm (0.031 in)	9.40mm (0.370 in)	10.40mm (0.409 in)
<a href="#">32178702</a>	50mm <sup>2</sup> , 1C, 1KV XLPO Insulated, Thin Wall	158444-218	50mm <sup>2</sup>	1615	0.89mm (0.035 in)	11.00mm (0.433 in)	12.20mm (0.48 in)
<a href="#">32178703</a>	70mm <sup>2</sup> , 1C, 1KV XLPO Insulated, Thin Wall	158453-218	70mm <sup>2</sup>	2128	1.00mm (0.035 in)	13.00mm (0.433 in)	14.40mm (0.48 in)
<a href="#">32178704</a>	95mm <sup>2</sup> , 1C, 1KV XLPO Insulated, Thin Wall	158447-218	95mm <sup>2</sup>	2888	1.13mm (0.044 in)	15.30mm (0.602in)	16.70mm (0.657 in)
<a href="#">32178705</a>	120mm <sup>2</sup> , 1C, 1KV XLPO Insulated, Thick Wall	158450-218	120mm <sup>2</sup>	3648	1.60mm (0.063 in)	17.70mm (0.697 in)	19.70mm (0.776 in)