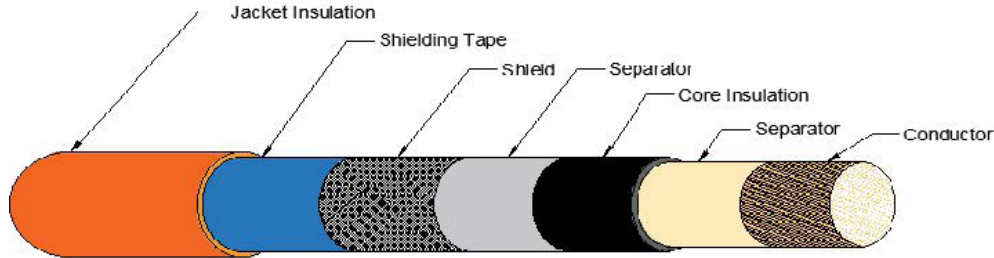


# High Voltage Shielded Battery Cable

120mm<sup>2</sup> FCNH  
1000V AC OR 1500V DC  
150°C XLPO Insulation / 150°C XLPO Jacket , Thick Wall



PRODUCT DATA SHEET



<b>PART NUMBER:</b>	32178705
Color:	Orange
Core Insulation Color:	Black
Bend Radius, Min:	5X OD (Static Installation)
Bend Radius, Min:	10X OD (Dynamic Installation)
Print Legend:	NA
Ink Color:	NA
Temperature Rating:	-40°C to 150°C
Packaging:	Reels
Specifications:	ISO: 19642-9 (Jacket, Thin Wall, Temp Class D) ISO: 19642-5 (Core, Thin Wall, Temp Class D) RoHS compliant

## CONDUCTOR

Size:	120 mm <sup>2</sup>
Number of Strands:	3648
Strand Diameter, Max:	0.21 mm
Conductor Diameter, Max:	16.50
Resistance, Max:	0.153 mΩ/m at 20° C
CSA mm <sup>2</sup> , Min.:	113.0
CSA mm <sup>2</sup> , Max.:	122.0
Conductor:	Bare Copper
Separator:	Physical Separator

## INSULATION

Insulation material:	150°C XLPO
Min Wall:	1.28 mm (0.054 in)
Nom Wall:	1.60 mm (0.063 in)
Diameter, Min:	17.70 mm (0.697 in)
Diameter, Max:	19.70 mm (0.776 in)
Strip force:	Strip Readily
Separator:	Physical Separator

## SHIELD

Shield Material:	Tinned Copper
Strand Diameter, Max:	0.26 mm (0.010 in)
Diameter Over Shield, Max:	20.7 mm (0.815 in)
Separator:	Physical Separator

## JACKET

Jacket material:	150°C XLPO
Min Wall:	1.36 mm (0.054 in)
Nom Wall:	1.70 mm (0.067 in)
Diameter, Min:	23.30 mm (0.917 in)
Diameter, Max:	24.10 mm (0.949 in)
Strip force:	Strip Readily

**Application:** Designed specifically to handle the higher voltage and electrical currents required by today's hybrid and battery powered vehicles.

Date	Rev	Description	By
2023/07/26	0	Spec created	JLL

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