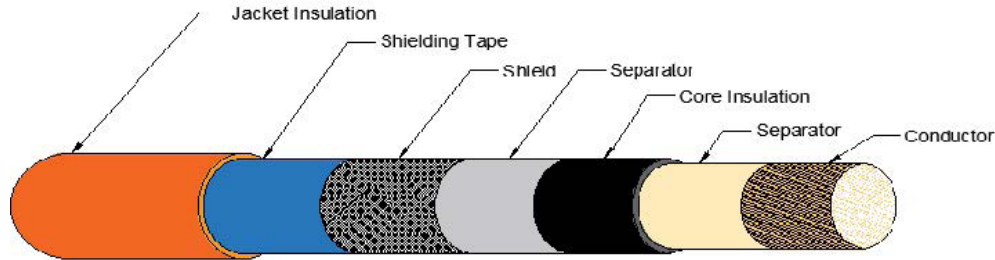


High Voltage Shielded Battery Cable

50mm² EP4R
1000V AC OR 1500V DC
150°C XLPO Insulation / 150°C XLPO Jacket, Thin Wall



PRODUCT DATA SHEET



PART NUMBER:	32178702
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:	50 mm ²
Number of Strands:	1615
Strand Diameter, Max:	0.21 mm
Conductor Diameter, Max:	10.50
Resistance, Max:	0.368 mΩ/m at 20° C
CSA mm ² , Min.:	46.9
CSA mm ² , Max.:	50.6
Conductor:	Bare Copper
Separator:	Physical Separator

INSULATION	
Insulation material:	150°C XLPO
Min Wall:	0.71 mm (0.028 in)
Nom Wall:	0.89 mm (0.035 in)
Diameter, Min:	11.00 mm (0.433 in)
Diameter, Max:	12.20 mm (0.48 in)
Strip force:	Strip Readily
Separator:	Physical Separator

SHIELD	
Shield Material:	Tinned Copper
Strand Diameter, Max:	0.21 mm (0.008 in)
Diameter Over Shield, Max:	13.0 mm (0.512 in)
Separator:	Physical Separator
JACKET	
Jacket material:	150°C XLPO
Min Wall:	0.88 mm (0.035 in)
Nom Wall:	1.10 mm (0.043 in)
Diameter, Min:	14.60 mm (0.575 in)
Diameter, Max:	15.20 mm (0.598 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
2023/07/20	0	Spec created	JLL

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