

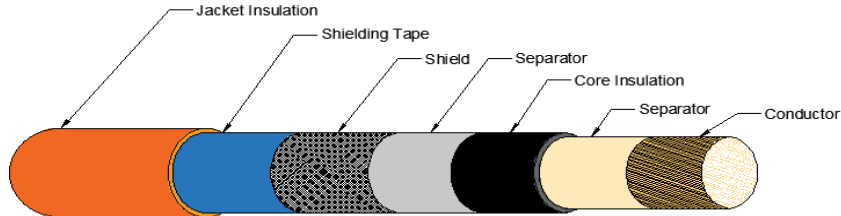


## High Voltage Shielded Battery Cable

70mm<sup>2</sup> EP4R

1000V AC OR 1500V DC

150°C XLPO Insulation / 150°C XLPO Jacket , Thin Wall



\* Graphic for representation purposes only

### Conductor

|                             |                     |
|-----------------------------|---------------------|
| Size:                       | 70 mm <sup>2</sup>  |
| Number of Strands:          | 2128                |
| Strand Diameter, Max:       | 0.21 mm             |
| Conductor Diameter, Max:    | 12.50               |
| Resistance, Max:            | 0.259 mΩ/m at 20° C |
| CSA mm <sup>2</sup> , Min.: | 66.6                |
| CSA mm <sup>2</sup> , Max.: | 71.9                |
| Conductor:                  | Bare Copper         |
| Separator:                  | Physical Separator  |

### Insulation

|                      |                       |
|----------------------|-----------------------|
| Insulation material: | 150°C XLPO            |
| Min Wall:            | 0.80 mm ( 0.031 in )  |
| Nom Wall:            | 1.00 mm ( 0.039 in )  |
| Diameter, Min:       | 13.00 mm ( 0.512 in ) |
| Diameter, Max:       | 14.40 mm ( 0.567 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 | 15.2 mm ( 0.598 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:   | 16.60 mm ( 0.654 in ) |
| Diameter, Max:   | 17.40 mm ( 0.685 in ) |
| Strip force:     | Strip Readily         |

### Print Legend:

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| 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)<br>ISO: 19642-5 (Core, Thin Wall, Temp Class D) |

|                        |                               |
|------------------------|-------------------------------|
| Part Number:           | RoHS compliant<br>158453-218  |
| Color:                 | Orange                        |
| Core Insulation Color: | Black                         |
| Bend Radius, Min:      | 5X OD (Static Installation)   |
| Bend Radius, Min:      | 10X OD (Dynamic Installation) |

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