

# Non-Insulated Stranded Conductor for Lightning Protection



## CERTIFICATIONS



## FEATURES

Provides a path to ground for lightning currents

## SPECIFICATIONS

**Certification Details:** UL® 96

Table 1/2

| Catalog Number | Material | Finish | UL Conductor Class | Conductor Type | Number of Wires | Wire Diameter |
|----------------|----------|--------|--------------------|----------------|-----------------|---------------|
| LPA140500      | Aluminum |        | Secondary          | Smooth Weave   | 10              | 1.63mm        |
| LPC120250      | Copper   |        | Class I            | Smooth Weave   | 29              | 1.14mm        |
| LPC120500      | Copper   |        | Class I            | Smooth Weave   | 29              | 1.14mm        |

| CatalogNumber | Material | Finish | UL Conductor Class | ConductorType | Number of Wires | Wire Diameter |
|---------------|----------|--------|--------------------|---------------|-----------------|---------------|
| LPC120CTO     | Copper   |        | Class I            | Smooth Weave  | 29              | 1.14mm        |
| LPC120L250    | Copper   | Tinned | Class I            | Smooth Weave  | 29              | 1.14mm        |
| LPC120L500    | Copper   | Tinned | Class I            | Smooth Weave  | 29              | 1.14mm        |
| LPC120LCTO    | Copper   | Tinned | Class I            | Smooth Weave  | 29              | 1.14mm        |
| LPC122500     | Copper   |        | Class I            | Smooth Weave  | 32              | 1.14mm        |
| LPC122CTO     | Copper   |        | Class I            | Smooth Weave  | 32              | 1.14mm        |
| LPC122L250    | Copper   | Tinned | Class I            | Smooth Weave  | 32              | 1.14mm        |
| LPC122L500    | Copper   | Tinned | Class I            | Smooth Weave  | 32              | 1.14mm        |
| LPC122LCTO    | Copper   | Tinned | Class I            | Smooth Weave  | 32              | 1.14mm        |
| LPC123250     | Copper   |        | Class I            | Smooth Weave  | 36              | 1.14mm        |
| LPC123500     | Copper   |        | Class I            | Smooth Weave  | 36              | 1.14mm        |
| LPC123CTO     | Copper   |        | Class I            | Smooth Weave  | 36              | 1.14mm        |
| LPC124250     | Copper   |        | Class I            | Smooth Weave  | 40              | 1.14mm        |
| LPC124500     | Copper   |        | Class I            | Smooth Weave  | 40              | 1.14mm        |
| LPC124CTO     | Copper   |        | Class I            | Smooth Weave  | 40              | 1.14mm        |
| LPC124L500    | Copper   | Tinned | Class I            | Smooth Weave  | 40              | 1.14mm        |
| LPC124LCTO    | Copper   | Tinned | Class I            | Smooth Weave  | 40              | 1.14mm        |
| LPC150500     | Copper   |        | Secondary          | Smooth Weave  | 14              | 1.14mm        |

| CatalogNumber | Material | Finish | UL Conductor Class | ConductorType | Number of Wires | Wire Diameter |
|---------------|----------|--------|--------------------|---------------|-----------------|---------------|
| LPC150CTO     | Copper   |        | Secondary          | Smooth Weave  | 14              | 1.14mm        |
| LPA100250     | Aluminum |        | Class I            | Smooth Weave  | 25              | 1.63mm        |
| LPA100500     | Aluminum |        | Class I            | Smooth Weave  | 25              | 1.63mm        |
| LPA100CTO     | Aluminum |        | Class I            | Smooth Weave  | 25              | 1.63mm        |
| LPA101500     | Aluminum |        | Class I            | Smooth Weave  | 26              | 1.63mm        |
| LPA101CTO     | Aluminum |        | Class I            | Smooth Weave  | 26              | 1.63mm        |
| LPA102500     | Aluminum |        | Class I            | Smooth Weave  | 28              | 1.63mm        |
| LPA102CTO     | Aluminum |        | Class I            | Smooth Weave  | 28              | 1.63mm        |
| LPC125250     | Copper   |        | Class I            | Ropelay       | 24              | 1.63mm        |
| LPC125CTO     | Copper   |        | Class I            | Ropelay       | 24              | 1.63mm        |
| LPC126R250    | Copper   |        | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC126R500    | Copper   |        | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC126RCTO    | Copper   |        | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC126RL250   | Copper   | Tinned | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC126RL500   | Copper   | Tinned | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC126RLCTO   | Copper   | Tinned | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC127250     | Copper   |        | Class II           | Ropelay       | 32              | 1.63mm        |
| LPC127500     | Copper   |        | Class II           | Ropelay       | 32              | 1.63mm        |

| CatalogNumber | Material | Finish       | UL Conductor Class | ConductorType | Number of Wires | Wire Diameter |
|---------------|----------|--------------|--------------------|---------------|-----------------|---------------|
| LPC127L250    | Copper   | Tinned       | Class II           | Ropelay       | 32              | 1.63mm        |
| LPC127LCTO    | Copper   | Tinned       | Class II           | Smooth Weave  | 32              | 1.63mm        |
| LPC128500     | Copper   |              | Class I            | Smooth Weave  | 24              | 1.63mm        |
| LPC128CTO     | Copper   |              | Class I            | Smooth Weave  | 24              | 1.63mm        |
| LPC401CTO     | Copper   |              | Class II           | Ropelay       | 28              | 1.63mm        |
| LPC136500     | Copper   |              | Class II           | Concentric    | 37              | 1.73mm        |
| LPC136CTO     | Copper   |              | Class II           | Concentric    | 37              | 1.73mm        |
| LPA105250     | Aluminum |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPA105500     | Aluminum |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPA105CTO     | Aluminum |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPC134250     | Copper   |              | Class II           | Concentric    | 19              | 2.13mm        |
| LPC137250     | Copper   |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPC137CTO     | Copper   |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPC137L250    | Copper   | Tinned       | Class II           | Concentric    | 37              | 1.93mm        |
| LPC137LCTO    | Copper   |              | Class II           | Concentric    | 37              | 1.93mm        |
| LPLC401CTO    | Copper   | Lead Covered | Class II           | Concentric    | 19              | 2.13mm        |
| LPC404CTO     | Copper   |              | Class II           | Concentric    | 19              | 2.69mm        |
| LPLC404CTO    | Copper   | Lead Covered | Class II           | Concentric    | 19              | 2.69mm        |

Table 2/2

| Catalog Number | Diameter | Length | Cross Section        | Unit Weight | Certifications                                |
|----------------|----------|--------|----------------------|-------------|-----------------------------------------------|
| LPA140500      | 9.65 mm  | 152.4m | 20.83mm <sup>2</sup> | 0.02 kg     |                                               |
| LPC120250      | 9.14 mm  | 76.2m  | 30.12mm <sup>2</sup> | 0.09 kg     |                                               |
| LPC120500      | 9.14 mm  | 152.4m | 30.12mm <sup>2</sup> | 0.09 kg     |                                               |
| LPC120CTO      | 9.14 mm  |        | 30.12mm <sup>2</sup> | 0.09 kg     |                                               |
| LPC120L250     | 9.14 mm  | 76.2m  | 30.12mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC120L500     | 9.14 mm  | 152.4m | 30.12mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC120LCTO     | 9.14 mm  |        | 30.12mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC122500      | 10.67 mm | 152.4m | 33.24mm <sup>2</sup> | 0.1 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC122CTO      | 10.67 mm |        | 33.24mm <sup>2</sup> | 0.1 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC122L250     | 10.67 mm | 76.2m  | 33.24mm <sup>2</sup> | 0.1 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC122L500     | 10.67 mm | 152.4m | 33.24mm <sup>2</sup> | 0.1 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC122LCTO     | 10.67 mm |        | 33.24mm <sup>2</sup> | 0.1 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |

| Catalog Number | Diameter | Length | Cross Section        | Unit Weight | Certifications                                |
|----------------|----------|--------|----------------------|-------------|-----------------------------------------------|
| LPC123250      | 11.43 mm | 76.2m  | 37.39mm <sup>2</sup> | 0.11 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC123500      | 11.43 mm | 152.4m | 37.39mm <sup>2</sup> | 0.11 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC123CTO      | 11.43 mm |        | 37.39mm <sup>2</sup> | 0.11 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC124250      | 11.94 mm | 76.2m  | 41.55mm <sup>2</sup> | 0.12 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC124500      | 11.94 mm | 152.4m | 41.55mm <sup>2</sup> | 0.12 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC124CTO      | 11.94 mm |        | 41.55mm <sup>2</sup> | 0.12 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC124L500     | 11.94 mm | 152.4m | 41.55mm <sup>2</sup> | 0.12 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC124LCTO     | 11.94 mm |        | 41.55mm <sup>2</sup> | 0.12 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC150500      | 6.35 mm  | 152.4m | 14.54mm <sup>2</sup> | 0.04 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC150CTO      | 6.35 mm  |        | 14.54mm <sup>2</sup> | 0.04 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPA100250      | 12.7 mm  | 76.2m  | 49.98mm <sup>2</sup> | 0.05 kg     | cUL                                           |
| LPA100500      | 12.7 mm  | 152.4m | 49.98mm <sup>2</sup> | 0.05 kg     | cUL                                           |

| Catalog Number | Diameter | Length | Cross Section        | Unit Weight | Certifications                                |
|----------------|----------|--------|----------------------|-------------|-----------------------------------------------|
| LPA100CTO      | 12.7 mm  |        | 49.98mm <sup>2</sup> | 0.05 kg     | cUL                                           |
| LPA101500      | 12.7 mm  | 152.4m | 54.15mm <sup>2</sup> | 0.05 kg     |                                               |
| LPA101CTO      | 12.7 mm  |        | 54.15mm <sup>2</sup> | 0.05 kg     |                                               |
| LPA102500      | 13.46 mm | 152.4m | 58.31mm <sup>2</sup> | 0.05 kg     |                                               |
| LPA102CTO      | 13.46 mm |        | 58.31mm <sup>2</sup> | 0.05 kg     |                                               |
| LPC125250      | 11.43 mm | 76.2m  | 49.98mm <sup>2</sup> | 0.15 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC125CTO      | 11.43 mm |        | 49.98mm <sup>2</sup> | 0.15 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC126R250     | 11.94 mm | 76.2m  | 58.31mm <sup>2</sup> | 0.17 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC126R500     | 11.94 mm | 152.4m | 58.31mm <sup>2</sup> | 0.17 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC126RCTO     | 11.94 mm |        | 58.31mm <sup>2</sup> | 0.17 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC126RL250    | 11.94 mm | 76.2m  | 58.31mm <sup>2</sup> | 0.17 kg     |                                               |
| LPC126RL500    | 11.94 mm | 152.4m | 58.31mm <sup>2</sup> | 0.17 kg     |                                               |
| LPC126RLCTO    | 11.94 mm |        | 58.31mm <sup>2</sup> | 0.17 kg     |                                               |
| LPC127250      | 12.7 mm  | 76.2m  | 67.15mm <sup>2</sup> | 0.2 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |

| Catalog Number | Diameter | Length | Cross Section         | Unit Weight | Certifications                                |
|----------------|----------|--------|-----------------------|-------------|-----------------------------------------------|
| LPC127500      | 12.7 mm  | 152.4m | 67.15mm <sup>2</sup>  | 0.2 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC127L250     | 12.7 mm  | 76.2m  | 67.15mm <sup>2</sup>  | 0.2 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC127LCTO     | 12.7 mm  |        | 67.15mm <sup>2</sup>  | 0.2 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC128500      | 12.7 mm  | 152.4m | 49.98mm <sup>2</sup>  | 0.15 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC128CTO      | 12.7 mm  |        | 49.98mm <sup>2</sup>  | 0.15 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC401CTO      | 11.94 mm |        | 58.31mm <sup>2</sup>  | 0.17 kg     |                                               |
| LPC136500      | 11.94 mm | 152.4m | 85.02mm <sup>2</sup>  | 0.24 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC136CTO      | 11.94 mm |        | 85.02mm <sup>2</sup>  | 0.24 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPA105250      | 12.7 mm  | 76.2m  | 106.91mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPA105500      | 12.7 mm  | 152.4m | 106.91mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPA105CTO      | 12.7 mm  |        | 106.91mm <sup>2</sup> | 0.09 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC134250      | 12.7 mm  | 76.2m  | 67.42mm <sup>2</sup>  | 0.19 kg     |                                               |



| Catalog Number | Diameter | Length | Cross Section         | Unit Weight | Certifications                                |
|----------------|----------|--------|-----------------------|-------------|-----------------------------------------------|
| LPC137250      | 13.46 mm | 76.2m  | 107.22mm <sup>2</sup> | 0.3 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC137CTO      | 13.46 mm |        | 107.22mm <sup>2</sup> | 0.3 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC137L250     | 13.46 mm | 76.2m  | 107.22mm <sup>2</sup> | 0.3 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC137LCTO     | 13.46 mm |        | 107.22mm <sup>2</sup> | 0.3 kg      | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPLC401CTO     | 14.48 mm |        | 58.31mm <sup>2</sup>  | 0.63 kg     | E202878-Combined_CoC,<br>E202878-Combined_CoC |
| LPC404CTO      | 16.5 mm  |        | 107.22mm <sup>2</sup> | 0.3 kg      |                                               |
| LPLC404CTO     | 16.6 mm  |        | 107.22mm <sup>2</sup> | 0.9 kg      |                                               |

## ADDITIONAL PRODUCT DETAILS

Unit weight is per foot (0.3048 m).

Cut-to-order (CTO) lengths are available for an additional charge.

| Equivalent Conductor Size |                |
|---------------------------|----------------|
| Part Number               | Conductor Size |
| LPC134xxx                 | 2/0            |
| LPC136xxx                 | 3/0            |
| LPC137xxx                 | 4/0            |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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