

# Insulated Conductor for Wind Turbine Blade Protection



## FEATURES

Insulation cold bend test per UL® 758

## SPECIFICATIONS

|                             |                         |
|-----------------------------|-------------------------|
| <b>Conductor Type:</b>      | Smooth Weave            |
| <b>Flammability Rating:</b> | UL® 94V-0;UL® 1581 VW-1 |
| <b>Working Temperature:</b> | -40 to 105 °C           |

Table 1/2

| Catalog Number | Material                    | Length (L) | Conductor Size              | Cross Section     | Diameter (Ø) | Insulation Thickness |
|----------------|-----------------------------|------------|-----------------------------|-------------------|--------------|----------------------|
| LPA103IN       | Aluminum, Polyvinylchloride |            | 70 mm <sup>2</sup> Stranded | 70mm <sup>2</sup> | 18.5 mm      | 2 mm                 |
| LPA103IN0100.0 | Aluminum, Polyvinylchloride | 100m       | 70 mm <sup>2</sup> Stranded | 70mm <sup>2</sup> | 18.5 mm      | 2 mm                 |
| LPA103IN0500.0 | Aluminum, Polyvinylchloride | 500m       | 70 mm <sup>2</sup> Stranded | 70mm <sup>2</sup> | 18.5 mm      | 2 mm                 |
| LPC050IN0044.0 | Copper, Polyvinylchloride   | 44m        | 50 mm <sup>2</sup> Stranded | 50mm <sup>2</sup> | 17.27 mm     | 2 mm                 |

| CatalogNumber  | Material                  | Length (L) | Conductor Size              | Cross Section     | Diameter (Ø) | Insulation Thickness |
|----------------|---------------------------|------------|-----------------------------|-------------------|--------------|----------------------|
| LPC050IN0047.0 | Copper, Polyvinylchloride | 47m        | 50 mm <sup>2</sup> Stranded | 50mm <sup>2</sup> | 17.27 mm     | 2 mm                 |
| LPC050IN0100.0 | Copper, Polyvinylchloride | 100m       | 50 mm <sup>2</sup> Stranded | 50mm <sup>2</sup> | 17.27 mm     | 2 mm                 |
| LPC103IN       | Copper, Polyvinylchloride |            | 70 mm <sup>2</sup> Stranded | 70mm <sup>2</sup> | 18.97 mm     | 2 mm                 |

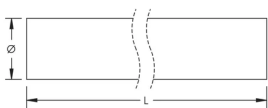
Table 2/2

| Catalog Number | Dielectric Strength |
|----------------|---------------------|
| LPA103IN       | 20                  |
| LPA103IN0100.0 | 20                  |
| LPA103IN0500.0 | 20                  |
| LPC050IN0044.0 | 20                  |
| LPC050IN0047.0 | 20                  |
| LPC050IN0100.0 | 20                  |
| LPC103IN       | 20                  |

## ADDITIONAL PRODUCT DETAILS

LPA103IN, LPC050IN and LPC103IN represent the base part number and are orderable in custom lengths.

## DIAGRAMS



**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 vinyl chloride, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**North America**

+1.800.753.9221  
Option 1 – Customer Care  
Option 2 – Technical  
Support

**Europe**

Netherlands:  
+31 800-0200135  
France:  
+33 800 901 793

**Europe**

Germany:  
800 1890272  
Other Countries:  
+31 13 5835404

**APAC**

Shanghai:  
+ 86 21 2412 1618/19  
Sydney:  
+61 2 9751 8500



Our powerful portfolio of brands:

**CADDY   ERICO   HOFFMAN   ILSCO   SCHROFF   TRACHTE**