

Insulated Conductor for Wind Turbine Blade Protection



FEATURES

Insulation cold bend test per UL® 758

SPECIFICATIONS

Conductor Type: Smooth Weave

Flammability Rating: UL® 94V-0;UL® 1581 VW-1

Working Temperature: -40 to 105 °C

| Table 1/2 | | | | | | | |
|--------------------|------------------------------------|------------|--------------------|---------------|--------------|-------------------------|--|
| Catalog Number | Material | Length (L) | Conductor Size | Cross Section | Diameter (Ø) | Insulation Thickness | |
| LPA103IN | Aluminum, Polyvinylchlorid e | | 70 mm² Stranded | 70mm² | 18.5 mm | 2 mm | |
| LPA103IN0100. 0 | Aluminum, Polyvinylchlorid e | 100m | 70 mm² Stranded | 70mm² | 18.5 mm | 2 mm | |
| LPA103IN0500. | Aluminum, Polyvinylchlorid e | 500m | 70 mm² Stranded | 70mm² | 18.5 mm | 2 mm | |
| LPC050IN0044. | Copper, Polyvinylchlorid e | 44m | 50 mm² Stranded | 50mm² | 17.27 mm | 2 mm | |

| CatalogNumber | Material | Length (L) | Conductor Size | Cross Section | Diameter (Ø) | Insulation Thickness |
|--------------------|----------------------------------|------------|--------------------|---------------|--------------|-------------------------|
| LPC050IN0047. | Copper, Polyvinylchlorid e | 47m | 50 mm² Stranded | 50mm² | 17.27 mm | 2 mm |
| LPC050IN0100. 0 | Copper, Polyvinylchlorid e | 100m | 50 mm² Stranded | 50mm² | 17.27 mm | 2 mm |
| LPC103IN | Copper, Polyvinylchlorid e | | 70 mm² Stranded | 70mm² | 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 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.

MARNING: 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.

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