

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
LPA140CTO	Aluminum		Secondary	Smooth Weave	10	1.63mm
LPC120250	Copper		Class I	Smooth Weave	29	1.14mm

CatalogNumber	Material	Finish	UL Conductor Class	ConductorType	Number of Wires	Wire Diameter
LPC120500	Copper		Class I	Smooth Weave	29	1.14mm
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

CatalogNumber	Material	Finish	UL Conductor Class	ConductorType	Number of Wires	Wire Diameter
LPC150500	Copper		Secondary	Smooth Weave	14	1.14mm
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

CatalogNumber	Material	Finish	UL Conductor Class	ConductorType	Number of Wires	Wire Diameter
LPC127500	Copper		Class II	Ropelay	32	1.63mm
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

CatalogNumber	Material	Finish	UL Conductor Class	ConductorType	Number of Wires	Wire Diameter
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 ²	0.02 kg	
LPA140CTO	9.65 mm		20.83mm ²	0.02 kg	
LPC120250	9.14 mm	76.2m	30.12mm ²	0.09 kg	
LPC120500	9.14 mm	152.4m	30.12mm ²	0.09 kg	
LPC120CTO	9.14 mm		30.12mm ²	0.09 kg	
LPC120L250	9.14 mm	76.2m	30.12mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC120L500	9.14 mm	152.4m	30.12mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC120LCTO	9.14 mm		30.12mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC122500	10.67 mm	152.4m	33.24mm ²	0.1 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC122CTO	10.67 mm		33.24mm ²	0.1 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC122L250	10.67 mm	76.2m	33.24mm ²	0.1 kg	E202878-Combined_CoC, E202878-Combined_CoC

Catalog Number	Diameter	Length	Cross Section	Unit Weight	Certifications
LPC122L500	10.67 mm	152.4m	33.24mm ²	0.1 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC122LCTO	10.67 mm		33.24mm ²	0.1 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC123250	11.43 mm	76.2m	37.39mm ²	0.11 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC123500	11.43 mm	152.4m	37.39mm ²	0.11 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC123CTO	11.43 mm		37.39mm ²	0.11 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC124250	11.94 mm	76.2m	41.55mm ²	0.12 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC124500	11.94 mm	152.4m	41.55mm ²	0.12 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC124CTO	11.94 mm		41.55mm ²	0.12 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC124L500	11.94 mm	152.4m	41.55mm ²	0.12 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC124LCTO	11.94 mm		41.55mm ²	0.12 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC150500	6.35 mm	152.4m	14.54mm ²	0.04 kg	E202878-Combined_CoC, E202878-Combined_CoC

Catalog Number	Diameter	Length	Cross Section	Unit Weight	Certifications
LPC150CTO	6.35 mm		14.54mm ²	0.04 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPA100250	12.7 mm	76.2m	49.98mm ²	0.05 kg	cUL
LPA100500	12.7 mm	152.4m	49.98mm ²	0.05 kg	cUL
LPA100CTO	12.7 mm		49.98mm ²	0.05 kg	cUL
LPA101500	12.7 mm	152.4m	54.15mm ²	0.05 kg	
LPA101CTO	12.7 mm		54.15mm ²	0.05 kg	
LPA102500	13.46 mm	152.4m	58.31mm ²	0.05 kg	
LPA102CTO	13.46 mm		58.31mm ²	0.05 kg	
LPC125250	11.43 mm	76.2m	49.98mm ²	0.15 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC125CTO	11.43 mm		49.98mm ²	0.15 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC126R250	11.94 mm	76.2m	58.31mm ²	0.17 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC126R500	11.94 mm	152.4m	58.31mm ²	0.17 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC126RCTO	11.94 mm		58.31mm ²	0.17 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC126RL250	11.94 mm	76.2m	58.31mm ²	0.17 kg	
LPC126RL500	11.94 mm	152.4m	58.31mm ²	0.17 kg	

Catalog Number	Diameter	Length	Cross Section	Unit Weight	Certifications
LPC126RLCTO	11.94 mm		58.31mm ²	0.17 kg	
LPC127250	12.7 mm	76.2m	67.15mm ²	0.2 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC127500	12.7 mm	152.4m	67.15mm ²	0.2 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC127L250	12.7 mm	76.2m	67.15mm ²	0.2 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC127LCTO	12.7 mm		67.15mm ²	0.2 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC128500	12.7 mm	152.4m	49.98mm ²	0.15 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC128CTO	12.7 mm		49.98mm ²	0.15 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC401CTO	11.94 mm		58.31mm ²	0.17 kg	
LPC136500	11.94 mm	152.4m	85.02mm ²	0.24 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC136CTO	11.94 mm		85.02mm ²	0.24 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPA105250	12.7 mm	76.2m	106.91mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPA105500	12.7 mm	152.4m	106.91mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC

Catalog Number	Diameter	Length	Cross Section	Unit Weight	Certifications
LPA105CTO	12.7 mm		106.91mm ²	0.09 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC134250	12.7 mm	76.2m	67.42mm ²	0.19 kg	
LPC137250	13.46 mm	76.2m	107.22mm ²	0.3 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC137CTO	13.46 mm		107.22mm ²	0.3 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC137L250	13.46 mm	76.2m	107.22mm ²	0.3 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC137LCTO	13.46 mm		107.22mm ²	0.3 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPLC401CTO	14.48 mm		58.31mm ²	0.63 kg	E202878-Combined_CoC, E202878-Combined_CoC
LPC404CTO	16.5 mm		107.22mm ²	0.3 kg	
LPLC404CTO	16.6 mm		107.22mm ²	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 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.

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