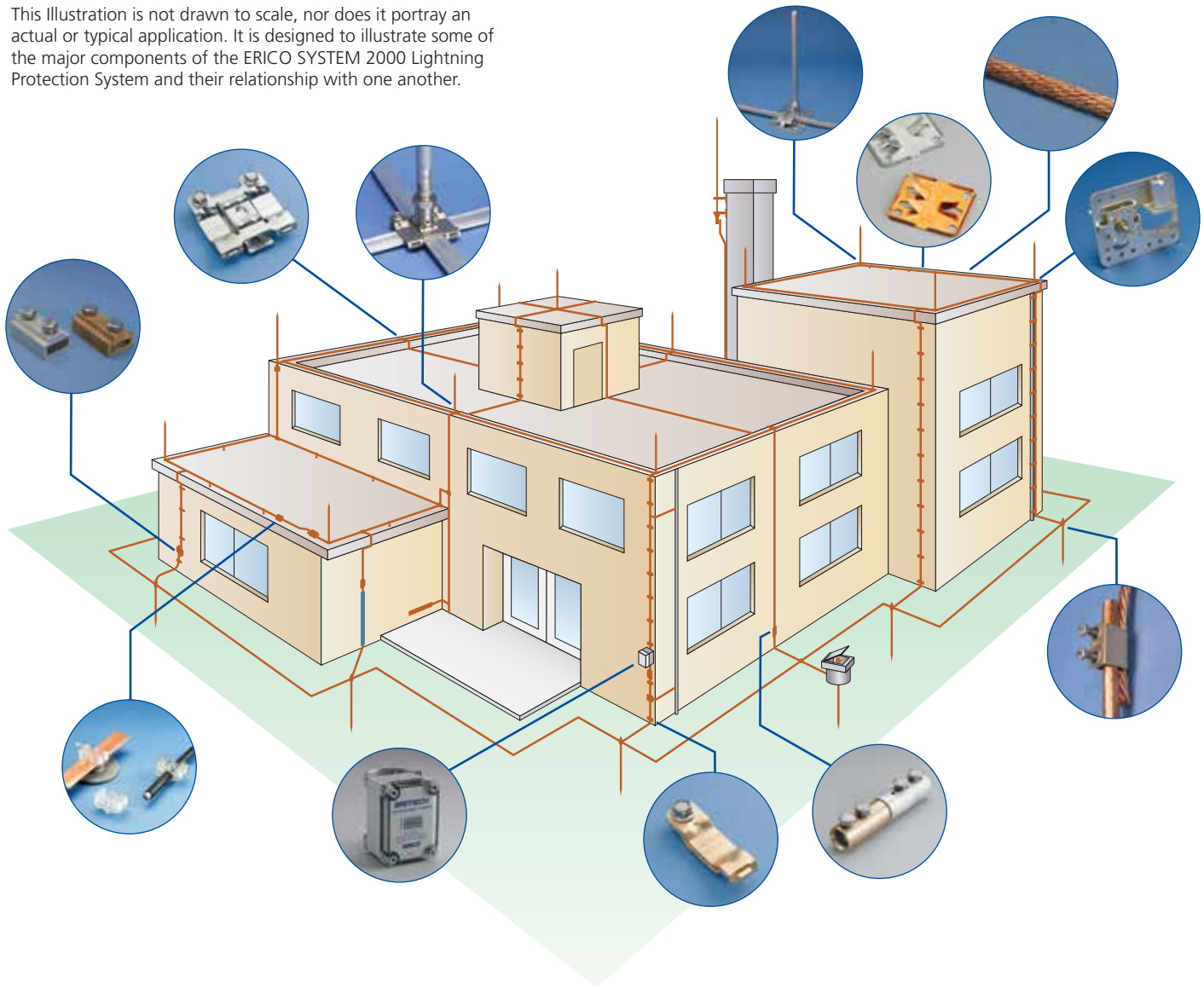


# ERICO SYSTEM 2000

FEATURED LIGHTNING PROTECTION PRODUCTS



This illustration is not drawn to scale, nor does it portray an actual or typical application. It is designed to illustrate some of the major components of the ERICO SYSTEM 2000 Lightning Protection System and their relationship with one another.



Pentair offers the **ERICO SYSTEM 2000** series of air terminals, down-conductors and fittings in accordance with National and International Standards such as Australian-AS1768, Singaporean-CP33, IEC®/EN 62305-3 and USA-NFPA® 780.

**Features:**

- Wide range of air terminals, bases, conductors, connectors and fasteners
- Air termination components and fittings are available in copper and aluminum
- Downconductors are available as stranded or flat tape construction
- Computer-aided design optimizes the location of air terminals providing the most effective lightning-protection coverage.
- Based on conventional design principles rolling sphere, cone of protection and mesh method as found in AS1768, IEC®/EN 62305-3, CP33 and NFPA® 780
- Precision manufacturing helps ensure easy assembly and installation

**ERICO SYSTEM 2000**

During design, installation and commissioning, Engineers at Pentair can provide on-site and telephone assistance to contractors to help ensure that the recommended protection measures are implemented to best practice standards. This helps assure that your lightning-protection installation will provide your facility with the optimum level of protection.

If you have any questions or need more information contact Pentair or refer to the ERICO Lightning Protection Handbook. A full listing is available in the Facility Electrical Protection catalog or the ERICO SYSTEM 2000 Lightning catalog.

## Air Terminals / Strike Termination Devices

	Reference Code	Description	Rod Diameter	Rod Length	Pack Size	U/M	Unit Weight (kg)
ALUMINIUM	711050	Air terminal, AL - AAR0510	10	500	1	EA	0,19
	711060	Air terminal, AL - AAR1010	10	1000	1	EA	0,38
	710020	Air terminal, AL - AAR0515	16	500	1	EA	0,27
	711070	Air terminal, AL - AAR1015	16	1000	1	EA	0,53
COPPER	711080	Air terminal, CU - CAR0510	10	500	1	EA	0,48
	711100	Air terminal, CU - CAR1010	10	1000	1	EA	1,10
	711090	Air terminal, CU - CAR0515	16	500	1	EA	0,75
	711110	Air terminal, CU - CAR1015	16	1000	1	EA	1,51
	711010	Air terminal, CU - CAR2015	16	2000	1	EA	3,00



Rods with metric threading (M10 or M16)



ATBA



ATBC



TTR



CBR/ABR

## Franklin Rod Bases / Brackets

	Reference Code	Description	Suitable Rod Diameter (mm)	Pack Size	U/M	Unit Weight (kg)
ALUM.	ATBAS253	Air terminal base, AL	10 & 16	1	EA	0,10
	711200	Threaded rod to tape coupling, AL - TTRA16	16	1	EA	0,08
	711180	Rod brackets, AL - ABR015 (Pack of two)	16	1	EA	0,28
COPPER	ATBCS253	Air terminal base, CU	10 & 16	1	EA	0,13
	711210	Threaded rod to tape coupling, CU - TTRC16	16	1	EA	0,22
	711190	Rod brackets, CU - CBR015 (Pack of two)	16	1	EA	0,90

# Flat Tape System

TC-EC



## Downconductors

	Reference Code	Description	Width (mm)	Thickness (mm)	Roll	U/M	Unit Weight (kg)
ALUM.	710740	Tape, AL - FAT-253-50	25	3	50	MT	0,21
COPPER	710510	Tape, CU - TC-EC-2530-50	25	3	50	MT	0,67
	197720	Tape, tinned CU - TC-ECT-2530-30	25	3	30	MT	0,67

DCC



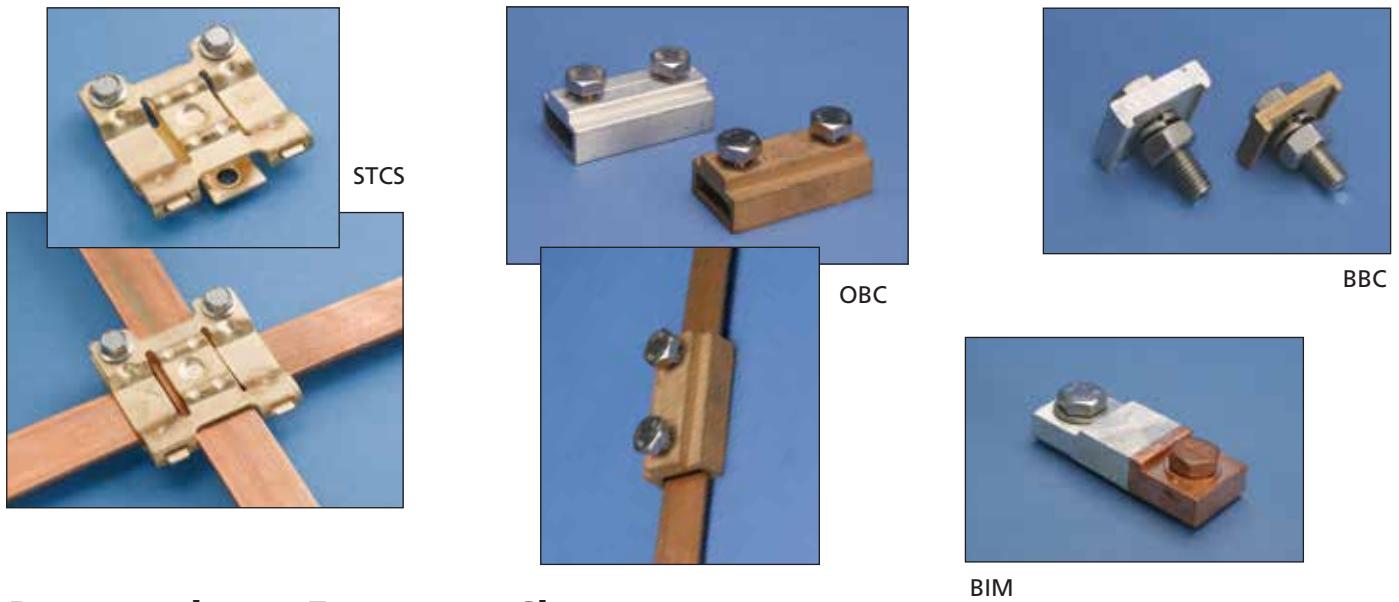
PDCUC



SFT-BE

## Downconductor Fasteners - Clips

	Reference Code	Description	Suitable Tape Size (mm)	Pack Size	U/M	Unit Weight (kg)
CLIPS	DCAS253	DC tape clamp, AL	25 x 3	1	EA	0,02
	DCCS253	DC tape clamp, CU	25 x 3	1	EA	0,03
	711352	Non-metallic universal DC clip - PDCUC	25 x 3, 30 x 2, 8 mm round	50	EA	0,01
	711341	Black adhesive base, for use with PDCUC	25 x 3, 30 x 2, 8 mm round	50	EA	0,02
	106060	Block for round or flat conductor (empty) - SFT-BE	25 x 3, 30 x 2, 5 -10 mm round	100	EA	0,10



## Downconductor Fasteners - Clamps

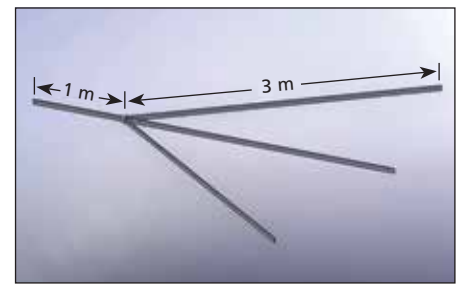
	Reference Code	Description	Suitable Tape Size	Pack Size	U/M	Unit Weight (kg)
CLAMPS	STAS253	Square tape clamp, AL	25 x 3	5	EA	0,02
	STCS253	Square tape clamp, CU	25 x 3	5	EA	0,02
	711430	Oblong test or junction clamp, AL - OBA268	26 x 8	2	EA	0,10
	711440	Oblong test or junction clamp, CU - OBC268	26 x 8	2	EA	0,29
	710260	B-bond - BBBC	26 x 8	25	EA	0,12



RTC



PIT



GF

## Grounding Accessories

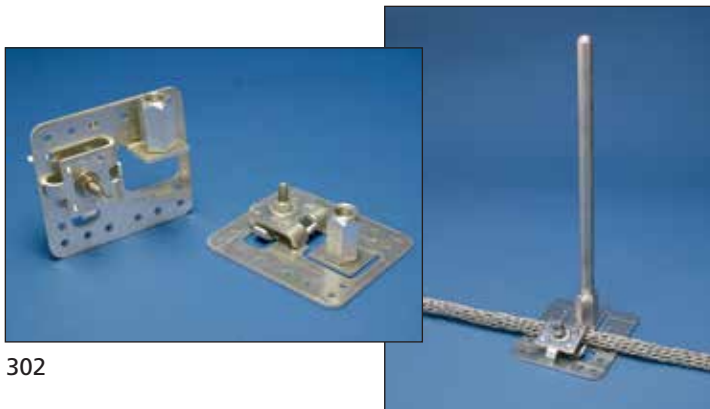
	Reference Code	Description	Dimensions	Pack Size	U/M	Unit Weight (kg)
ACCESSORIES	158410	16MM rod to tape clamp - RTC1626		10	EA	0,16
	710345	20MM rod to tape clamp - RTC2030		10	EA	0,16
	710180	Plastic inspection pit - PIT03	250 x 200 x 215 mm	1	EA	1,35
	545135	Earth bar for inspection pit - BEP 25 x 5 x 200 MM	25 x 5 x 200, 8 holes	1	EA	0,26
	503900	Prefabricated crows foot - GF-302		1	EA	5,50
	155250	Copper-bonded ground rod - 1,5M58	14,2 mm x 1,2 m	5	EA	1,90

# Stranded Cable System

## Air Terminals / Strike Terminal Devices

	Item	Description	Rod Diameter	Rod Length	Pack Size	U/M	Unit Weight lb (kg)
ALUM.	LPA222ST	Blunt tip air terminal, AL	1/2"	12"	1	EA	0.12 (0,05)
	LPA225ST	Blunt tip air terminal, AL	1/2"	24"	1	EA	0.24 (0,11)
	LPA242ST	Blunt tip air terminal, AL	5/8"	12"	1	EA	0.36 (0,16)
	LPA245ST	Blunt tip air terminal, AL	5/8"	24"	1	EA	0.72 (0,33)
COPPER	LPC202BST	Blunt tip air terminal, CU	3/8"	12"	1	EA	0.42 (0,19)
	LPC205BST	Blunt tip air terminal, CU	3/8"	24"	1	EA	0.85 (0,39)
	LPC222BST	Blunt tip air terminal, CU	1/2"	12"	1	EA	0.74 (0,34)
	LPC225BST	Blunt tip air terminal, CU	1/2"	24"	1	EA	1.48 (0,67)
	LPC242BST	Blunt tip air terminal, CU	5/8"	12"	1	EA	1.18 (0,54)
	LPC245BST	Blunt tip air terminal, CU	5/8"	24"	1	EA	2.37 (1,08)

Blunt Safety Tips with UNC Thread



302



## Air Terminal Bases

	Item	Description	Suit. Rod Diam.	Pack Size	U/M	Unit Weight lb (kg)
ALUM.	LPA30212	Universal aluminum point base	1/2"	1	EA	0.26 (0,12)
	LPA30258	Universal aluminum point base	5/8"	1	EA	0.26 (0,12)
COPPER	LPC30238	Universal copper point base	3/8"	1	EA	0.78 (0,36)
	LPC30212	Universal copper point base	1/2"	1	EA	0.78 (0,36)
	LPC30258	Universal copper point base	5/8"	1	EA	0.78 (0,36)

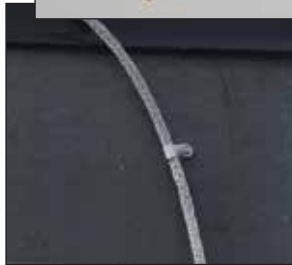


Smooth Weave Cable

## Conductors

	Item	Description	Strands	CSA mm <sup>2</sup>	Roll	U/M	Spool Weight lb (kg)
ALUM.	LPA100500	Smooth weave aluminum cable	24	50.0	500 FT (152 M)	FT	51 (23)
	LPA102500	Smooth weave aluminum cable	28	68.3	500 FT (152 M)	FT	57 (26)
COPPER	LPC122250	Smooth weave copper cable	32	33.2	250 FT (76 M)	FT	55 (25)
	LPC122L250	Smooth weave tinned copper cable	32	33.2	250 FT (76 M)	FT	55 (25)
	LPC126R250	Ropelay copper cable	28	58.3	250 FT (76 M)	FT	95 (43)
	RC-EC-8	Copper-bonded round conductor	1	50.2	100 MT	MT	92 (42)

**Notes:** LPC 122 compliant with AS1768-1991 table 4.4. Suitable for use as a main current carrying conductor, for air terminations and downconductors



801, 803



LPC810



LPS815



CCR

## Conductor Fasteners / Adhesives

	Item	Description Size	Conductor Size	Pack	U/M
ALUM.	LPA803	One hole aluminum cable strap	up to 70 mm <sup>2</sup>	1	EA
	LPA810	Adhesive aluminum cable holder	up to 70 mm <sup>2</sup>	1	EA
COPPER	LPC803	One hole copper cable strap	up to 70 mm <sup>2</sup>	1	EA
	LPC803L	One hole tinned copper cable strap	up to 70 mm <sup>2</sup>	1	EA
	LPC810	Adhesive copper cable holder	up to 70 mm <sup>2</sup>	1	EA
STAINLESS	LPS815	Standing seam stainless steel clamp		1	EA
	CCR608S	Secondary cable clip	8 mm	1	EA
	LPP899GY	M1 grey roof adhesive		1	EA

# Stranded Cable System



513



502



595



553



540



596



LPA598



LPC790

## Conductor Clamps and Fittings

	Item	Description	Pack Size	U/M	Unit Weight lb (kg)
ALUMINUM	LPA502	Aluminum parallel cable splicer	1	EA	0.04 (0,02)
	LPA513	Aluminum Inline cable splice	1	EA	0.12 (0,06)
	LPA540	Aluminum bonding plate	1	EA	0.20 (0,09)
	LPA55312	Aluminum bonding lug	1	EA	0.30 (0,14)
	LPA595	Aluminum cross run cable connector	1	EA	0.24 (0,11)
	LPA598	Bi-metallic cable splicer	1	EA	0.38 (0,17)
COPPER	LPC502	Copper parallel cable splicer	1	EA	0.12 (0,06)
	LPC513	Copper Inline cable splice	1	EA	0.37 (0,17)
	LPC540	Copper bonding plate	1	EA	0.37 (0,17)
	LPC55312	Copper bonding lug	1	EA	0.41 (0,19)
	LPC595	Copper cross run cable connector	1	EA	0.61 (0,28)
	LPC5962	Pipe clamp, fits 2" to 2-5/8"	1	EA	0.68 (0,31)
	LPC5963	Pipe clamp, fits 2-3/4" to 3-3/8"	1	EA	0.75 (0,34)
	LPC5964	Pipe clamp, fits 4" to 4-1/2"	1	EA	0.88 (0,40)
LPC5966	Pipe clamp, fits 4-1/2" to 6-1/2"	1	EA	1.72 (0,78)	

Pipe clamps also available in aluminum

## Grounding Accessories

Item	Description	Dimensions	Length	Pack Size	U/M	Unit Weight lb (kg)
LPC790	Universal ground rod clamp (1/2", 5/8", 3/4")			1	EA	0.08 (0,04)
615800	5/8" x 10' copper-bonded ground rod	5/8"	10'	5	EA	8.44 (3,84)
613400	3/4" x 10' copper-bonded ground rod	3/4"	10'	5	EA	12.40 (5,64)

### WARNING

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

IEC is a registered trademark of the International Electrotechnical Commission. NFPA is a registered trademark of the National Fire Protection Association. UL is a registered trademark of Underwriters Laboratories, Inc.

© 2010, 2013, 2015 Pentair All Rights Reserved

Pentair, CADDY, CADWELD, CRITEC, ERICO, ERIFLEX, ERITECH and LENTON are owned by Pentair or its global affiliates. All other trademarks are the property of their respective owners. Pentair reserves the right to change specifications without prior notice.