RADIFORM

CABLE ACCESSORIES

2018

catalogue

http://www.radiform-GT.com

Radiform is incorporated in the mid-nineties with the collaboration of a Singapore investment company and an established manufacturer of cable accessories products in Germany as the technical partner. The company specializes in the development, manufacturing and supplies of cable accessories products ranging from cast resin, heat-shrink cable jointing system and metal cable accessories products such as: industrial and marine cable glands, low and high voltage cable lugs and splices for the power distribution, electrical engineering, corrosion protection, telecommunication and electrical wire-harnessing industries.

The company is committed in producing high quality products meeting many international quality and performance standards in the electrical and electronic industries; such as UL, CSA, BS EN, IEC, DIN VDE, KEMA and Mil-Spec.

Ensuring the constant supply of high-quality products to our customers, our product quality control system starts at the raw material and ends when the products are in full operation satisfying the requirements of its application. Every product is marked with a batch number, which is used by our quality control division in tracking and monitoring the performance of each product produced or supplied by us. In the event when a product may have behaved unexpectedly, our quality control division will be able to trace and track any abnormalities that may occurred during the production process for that product or batch of products from raw material to the final phase of production.

In recent years we have also established a robust and effective quality control system for outsourcing supplies of products that are not produced in-house. With the combination of our technical knowledge in cable accessories design and construction, coupled with a strong business relationship with high quality OEM manufacturers worldwide, we are able to provide products with excellent quality at very competitive prices to our customers. Today, we have production facilities in Europe, UK, China and India providing a wide range and varieties of quality electrical engineering products at competitive prices.

Our business philosophy stem from the strong believes that fault free products are essential contribution to customer satisfaction. Product quality not only means 100 percent compliance with required specifications and standards, but also includes the whole organization involved in designing, developing, producing, marketing and delivering the products to our customers.

Our product range covers almost any applications in the field of electrical engineering. The main features of our products are; their reliable and easy installation combined with low maintenance requirements. These advantages resulted in considerable reduction of overall application costs and equipment or system downtime.

We have developed cable accessories for power distribution and electrical engineering from 3 technological bases; 1) cold-pur resin, 2) heat-shrink and 3) pre-molded silicon rubber slip-on. Each technique has its own merits and suitability in application requirements.

For example: 1) Direct burial underground cables in wet and high moisture environment where high mechanical protection is needed, cold-pur cast resin joints are ideal in this application. 2) Pole top overhead laid cables where light weight and moisture proofing is required, heat shrink joints are high suited for this environment. 3) Termination of cables in hazardous environment where open flame is prohibited, our per-molded silicon rubber slip-on termination system is ideal for the job.

We have every confidence in giving you the best application solution to your electrical engineering requirements at all times, every time.

PREFACE

RADI-Connectors are made from a selection of high-grade copper material with high purity and high conductivity properties; ensuring to provide good electrical connections and heat dissipations at all times

The type and grade of material used in the manufacturing of the connectors are determined by the connectors' design, typical specifications and performance standards required in their specific industries, purposes and applications.

All connectors are designed and manufactured for specific purposes, functions and applications, meeting and conforming to international standards such, BS, EN, DIN, UL, AS, ASTM, etc.

In the application of all the products, it is paramount importance that they are only used in accordance to their designed application purposes and **NO UNAUTHORIZED MODIFICATIONS** are made to the products during installation or application, as unauthorized modifications may deformed the product and compromise the integrity of the product performance.

General Warranties and Liabilities Statement

The information provided in this catalogue is for your information, references and evaluation. Customers and end-users are encouraged to conduct their own tests and make their own independent judgment on the suitability of the products for their specific application in mind. Further product technical information is available from our technical office or your local distributors

Unauthorized modification or misuse of the product will render all warranties to that product null and void. The product must be installed and used as accordance to its intended design and function.

The product will be free from defects in material and manufacture at the time of purchase. **RADIFORM INSULATION INDUSTRIES AND IT'S RESELLING PARTNERS MAKE NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at RADIFORM INSULATION INDUSTRIES option, to replace or repair the product or refund the purchase price of the product. **Except where prohibited by law, RADIFORM INSULATION INDUTRIES AND IT'S RESELLING PARTNERS will not be liable for any indirect, special, incidental or consequential loss or damage arising from the product, regardless of the legal theory asserted**.

SERIES OF CONNECTORS AS PER UL-ZMVV, ANSI/UL 486A-486B AND ANSI/UL-486C

RADI-LUGS™

Copper Crimp Lugs (Cable End Terminals) And Splices

RADI-LUGS copper crimp lugs are made from 99.9 % pure high conductivity copper, which provide the best electrical properties in its grade. The heavy wall thickness in the barrel provides good termination and excellent electrical and mechanical properties.

The lugs come either with /without inspection hole. Barrel entry is chamfered to facilitate easy and smooth cable entry.

The product can withstand an operating temperature ranging from -55°C to +155°C, which is well above the normal operating temperature. For operating temperature above 155ºC to 350ºC we have nickel-plated lugs.

General Properties

Operating temperature:
Electro-tin plated: -55 to 150 deg C
Electro-nickel plated: -55 to 350 deg C
Total Conductivity: max @99.25 % IACS (approx.)
Total resistivity: 0.0172 ohms/mm^2

Copper Material

Copper Purity: 99.90%
Oxygen content: 30 p,pm
Tensile strength: 23kg/mm^2
Ductile rating: 40%
Final metal state: Fully annealed

Electroplating material conform to BS1872 (1984)

Tin material: 99%
Other materials: Lead and antimony
Thickness: 5 to 10 micron

Product overall performance and specification conform to: BS 4579-2-1973

Above info act as a guide, for detailed technical spec, please check with the product technical datasheet

RADI-LUGS™

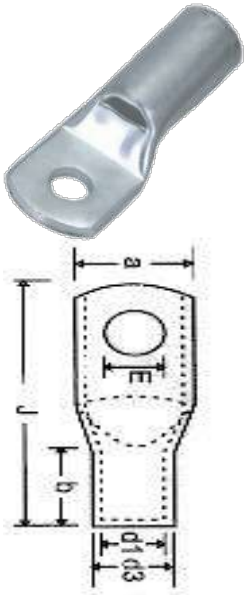
RADI-LUGS HEAVY DUTY COPPER TUBE TERMINALS (Up to 33KV) (RCT -British Standard Design)

c UL us LISTED

E343654

RCT series of tinned coper tube terminals are made from high purity copper tube and are annealed. This product is designed to enhance both mechanical and electrical performance of heavy duty electrical cable end connections. The terminals are electrolytically tin plated to prevent atmospheric corrosion. The product has an operating voltage up to 33KV, with an operating temperature ranging from -55 to +155 Deg C This series of product are tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C

	Cable						
Part Number	AWG/MCM	E	b	a	d1	d3	J
RCT 1.5 -4, 5	16	M4. M5	5.5	8	1.8	3.7	17.0
RCT 1.5 -6	16	M6	5.5	10	1.8	3.7	19.0
RCT 2.5 -4, 5	14	M4, M5	8	8	2.4	4.0	21.5
RCT 2.5 - 6	14	M6	8	10	2.4	4.0	24.0
RCT 4 - 5, 6	8	M5, M6	8	10	3.1	4.8	21.0
RCT 4 - 8	8	M8	8	12	3.1	4.8	26.5
RCT 6 - 5	6	M5	10	10	3.8	5.5	23.0
RCT 6 - 6, 8	6	M6, M8	10	12	3.8	5.5	27.0
RCT 6 - 10	6	M10	10	16.8	3.8	5.5	32.0
RCT 10 - 5, 6	6	M5, M6	10	12	4.5	6.2	25.5
RCT 10 - 8	6	M8	10	12	4.5	6.2	27.5
RCT 10 - 10	6	M10	10	19	4.5	6.2	32.0
RCT 10 - 12	6	M12	10	19	4.5	6.2	36.0
RCT 16 -5, 6, 8	4	M5, M6, M8	13	12	5.4	7.1	31.0
RCT 16 - 10	4	M10	13	19	5.4	7.1	35.0
RCT 16 - 12	4	M12	13	19	5.4	7.1	39.0
RCT 25 - 6, 8	3	M6, M8	14	13	6.8	8.8	33.0
RCT 25 - 10	3	M10	14	16	6.8	8.8	36.5
RCT 25 - 12	3	M12	14	18	6.8	8.8	40.0
RCT 35 - 6, 8	2	M6, M8	14	15	8.2	10.6	38.0
GLB 35 - 10	2	M10	14	18	8.2	1.6	41.0
RCT 35 - 12	2	M12	14	20	8.2	10.6	42.0
RCT 50 - 6, 8, 10	2	M6, M8, M10	18	18	9.5	12.4	45.0
RCT 50 - 12	2	M12	18	20	9.5	12.4	45.0
RCT 70 - 6, 8, 10, 12	2/0	M6, M8, M10, M12	20	21	11.2	14.7	52
RCT 70 - 14, 16	2/0	M14, M16	20	28	11.2	14.7	55
RCT 95 - 8, 10, 12	3/0	M8, M10, M12	22	25	13.5	17.4	57
RCT 95 - 14	3/0	M14	22	28	13.5	17.4	57
RCT 95 - 16	3/0	M16	22	28	13.4	17.4	60
RCT 120 - 8	250 MCM	M8	24	28	15	19.4	63
RCT 120 - 10, 12,14, 16	250 MCM	M10, M12, M14, M16	24	28	15	19.4	63
RCT 150 - 10, 12, 16	350 MCM	M10, M12, M16	29	30	16.5	21.2	71
RCT 150 - 20	350 MCM	M20	29	34	16.7	22.5	71
RCT 185 - 10, 12, 14	400 MCM	M10, M12, M14,	34	34	18.5	23.5	79
RCT 185 - 16, 20	400M C M	M16, M20	34	34	18.5	23.5	79
RCT 240 - 10, 12, 14	600 MCM	M10, M12, M14	39	38	21	26.5	93
RCT 240 - 16, 20	600 MCM	M16, M20	39	38	21	26.5	93
RCT 300 - 12, 14, 16, 20	750 MCM	M12, M14, M16, M20	44	43	23.5	30.0	101
RCT 400	750 MCM	BLK	47	50.1	26.8	34.8	116
RCT 400 - 12,14,16,20		M12,M14,M16,M20	47	50.1	26.8	34.8	116
RCT 500 - 20		M20	52	56	30	39.0	126
RCT 630 - 16,20		M16,M20	59	65	35	45.0	146
RCT 800		BLANK	78	72.9	39	50.6	171
RCT 1000		BLANK	90	80	43	56.2	202



RADI-LUGS™

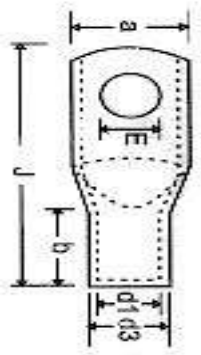
RADI-LUGS COPPER TUBE TERMINALS (Up to 11KV) (RSC -British Standard Design)

c UL us LISTED

E343654

RSC series of copper tinned tube terminals are made from high purity copper tube and are annealed. This product is designed to enhance both mechanical and electrical performance in electrical connection of cable ends. The terminals are electrolytically tin plated to prevent atmospheric corrosion. The product has a maximum operating voltage up to 11KV with an operting tempearture of -55 to +155 Deg C This series of product are tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C

	Cable						
Part Number	AWG/MCM	E	b	a	d1	d3	J
RSC 1.5 -4, 5	16	M4,M5	5	8	1.8	3.7	16.0
RSC 1.5 -6	16	M6	5	9.5	1.8	3.7	18.0
RSC 2.5 -4, 5	14	M4, M5	7	8	2.4	4.0	21.5
RSC 2.5 - 6	14	M6	7	9.5	2.4	4.0	21.5
RSC 4 - 5, 6	8	M5,M6	7	9.5	3.1	4.8	21.0
RSC 4 - 8	8	M8	8	11	3.1	4.8	26.0
RSC 6 - 5	6	M5	10	9.5	3.8	5.5	23.0
RSC 6 - 6	6	M6	10	9.5	3.8	5.5	27.0
RSC 6 - 8	6	M8	10	11	3.8	5.5	27.0
RSC 6 - 10	6	M10	10	11	3.8	5.5	32.0
RSC 10 - 6	6	M6	9	10.5	4.5	6.2	25.5
RSC 10 - 8	6	M8	9	11.5	4.5	6.2	27.5
RSC 10 - 10	6	M10	10	14.5	4.7	7.1	32.0
RSC 10 - 12	6	M12	10	18	4.7	7.1	36.0
RSC 16 - 6, 8	4	M6,M8	13	11.5	5.4	7.1	31.0
RSC 16 - 10	4	M10	13	14.5	5.4	7.1	35.0
RSC 16 - 12	4	M12	13	18	5.4	7.1	39.0
RSC 25 - 6	3	M6	14	12.5	6.8	8.8	33.0
RSC 25 - 8	3	M8	14	13	6.8	8.8	33.0
RSC 25 - 10	3	M10	14	14.5	6.8	8.8	36.5
RSC 25 - 12	3	M12	14	18	6.8	8.8	40.0
RSC 35 - 6, 8	2	M6,M8	14	15	8.2	10.6	36.0
RSC 35 - 10	2	M10	14	16	8.2	1.6	38.0
RSC 35 - 12	2	M12	14	18	8.2	10.6	42.0
RSC 50 - 6, 8	2	M6,M8	18	18	9.5	12.4	44.0
RSC 50 - 10, 12	2	M10, M12	18	18	9.5	12.4	45.0
RSC 70 - 6, 8, 12	2/0	M6.M8.M12	20	21	11.2	14.7	52
RSC 70 - 14, 16	2/0	M14.M16	20	25	11.2	14.7	55
RSC 95 - 8, 10, 12	3/0	M8,M10,M12	22	25	13.5	17.4	57
RSC 95 - 14	3/0	M14	22	26	13.5	17.4	57
RSC 95 - 16	3/0	M16	22	26	13.4	17.4	60
RSC 120 - 8, 10,12	250 MCM	M8,M10,M12	24	28	15	19.4	63
RSC 120 - 14, 16	250 MCM	M14,M16	24	28	15	19.4	63
RSC 150 - 10, 12, 16	350 MCM	M10,M12,M16	29	30	16.5	21.2	71
RSC 150 - 20	350 MCM	M20	29	30.5	16.7	22.5	71
RSC 185 - 10, 12, 14	400 MCM	M10,M12,M14	34	34	18.5	23.5	79
RSC 185 - 16, 20	400M C M	M16, M20	34	34	18.5	23.5	79
RSC 240 - 10, 12, 14	600 MCM	M10,M12,M14	39	38	21	26.5	93
RSC 240 - 16, 20	600 MCM	M16,M20	39	38	21	26.5	93
RSC 300 - 12, 14, 16, 20	750 MCM	M12,M14,M16,M20	44	43	23.5	30.0	110
RSC 400	750 MCM	BLK	47	50	26.8	34.8	113
RSC 400 - 12,14,16		M12,M14,M16	47	50	26.8	34.8	113
RSC 500 - 12,14,16		M12,M14,M16	52	55	30	38.0	126
RSC 630 - 12,14,16,20		M12,M14,M16,M20	54	64.5	35	45.0	136



RADI-LUGS™

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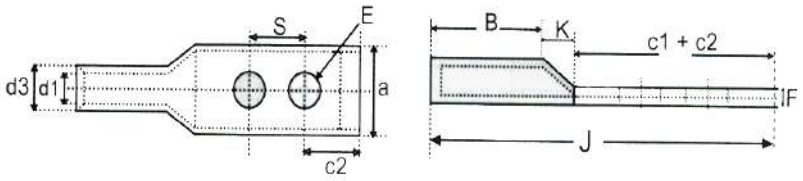
E343654

RADI--LUGS UL SERIES HEAVY DUTY TWO-HOLE LONG BARREL COPPER TUBE TERMINALS

C2HLB series of two hole long barrel copper tube terminals are made from high purity annealed copper
This product is designed to enhanced both mechanical and electrical performance in heavy duty applications
The terminals are electrolytically tin plated to prevent atmospheric corrosion.
The product has a maximum operating voltage of 33KV
This serires of product is tested and certified to UL-ZMW, ANSI/UL 486A-486B and ANSI/UL 486C

PRODUCT DIMENSIONS



	Wire	Wire	Stud	Hole	Colour												Strip
Part Number	AWG	MMSQ	Size	Spacing	Code	d1	d3	J	B	a	F	E	c2	c1+c2	S	K	Length
C2HLB-187	8	10	10	5/8	RED	4.4	6.9	55.5	20.5	10.7	2.0	5.3	7.1	32.0	15.9	3.0	18mm
C2HLB-184	8	10	1/4	5/8		4.4	6.9	55.5	20.5	10.7	2.0	6.4	7.1	32.0	15.9	3.0	18mm
C2HLB-185	6	16	1/4	5/8	BLUE	5.2	7.5	60.0	25.0	10.7	2.1	6.4	7.1	32.0	15.9	3.0	22mm
C2HLB-185A	6	16	1/4	1/2		5.2	7.5	57.0	25.0	10.7	2.1	6.4	7.1	29.0	12.7	3.0	22mm
C2HLB-185B	6	16	1/2	1 3/4		5.2	7.5	104.0	25.0	18.0	3.0	13.0	15.7	76.0	44.5	3.0	22mm
C2HLB-185C	6	16	1/4	3/4		5.2	7.5	63.0	25.0	10.7	2.1	6.4	7.1	35.0	19.1	3.0	22mm
C2HLB-185D	6	16	3/8	1		5.2	7.5	74.0	25.0	10.7	2.1	10.5	9.7	46.0	25.4	3.0	22mm
C2HLB-186	4	25	1/4	5/8	GREY	6.4	8.7	60.0	25.0	12.4	2.2	6.4	7.1	32.0	15.9	3.0	22mm
C2HLB-186A	4	25	3/8	1		6.4	8.7	75.0	25.0	10.7	2.2	10.5	9.7	46.0	25.4	3.0	22mm
C2HLB-186B	4	25	1/4	3/4		6.4	8.7	64.0	25.0	12.4	2.2	6.4	7.1	35.0	19.1	3.0	22mm
C2HLB-187	4	25	1/2	1 3/4		6.4	8.7	104.0	25.0	22.0	3.0	13.0	15.7	76.0	44.5	3.0	22mm
C2HLB-188	2	35	5/16	3/4	BROWN	8.0	10.7	73.0	28.0	15.3	2.6	8.4	8.1	41.0	19.1	4.0	26mm
C2HLB-188A	2	35	3/8	1		8.0	10.7	78.0	28.0	15.3	2.6	10.5	9.7	46.0	25.4	4.0	26mm
C2HLB188B	2	35	1/4	5/8		8.0	10.7	64.0	28.0	15.3	2.6	6.4	7.1	32.0	15.9	4.0	26mm
C2HLB-188C	2	35	1/4	3/4				67.0	28.0	15.3	2.6	6.4	7.1	35.0	19.1	4.0	26mm
C2HLB-189	2	35	5/16	7/8		8.0	10.7	73.0	28.0	15.3	2.6	8.4	8.1	41.0	22.2	4.0	26mm
C2HLB-190	2	35	1/2	1 3/4		8.0	10.7	108.0	28.0	20.5	2.5	13.0	15.7	76.0	44.5	4.0	26mm
C2HLB-191	2	35	1/4	5/8	GREEN	9.1	11.9	65.0	28.0	17.1	2.7	6.4	7.1	32.0	15.9	5.0	26mm
C2HLB-191A	2	35	3/8	1		9.1	11.9	78.0	28.0	17.1	2.7	10.5	9.7	46.0	25.4	5.0	26mm
C2HLB-191B	2	35	1/4	3/4		9.1	11.9	68.0	28.0	17.1	2.7	6.4	7.1	35.0	19.1	5.0	26mm
C2HLB-192	2	35	3/8	7/8		9.1	11.9	74.5	28.0	17.1	2.7	8.4	8.1	41.0	22.2	5.0	26mm
C2HLB-193	2	35	1/2	1 3/4		9.1	11.9	109.0	28.0	19.0	2.5	13.0	15.7	76.0	44.5	5.0	26mm
C2HLB-194	1	50	5/16	7/8	PINK	9.9	13.2	76.5	30.5	18.9	3.2	8.4	8.1	41.0	22.2	5.0	28mm
C2HLB-195	1	50	3/8	1		9.9	13.2	81.5	30.5	18.9	3.2	10.5	9.7	46.0	25.4	5.0	28mm
C2HLB-196	1	50	1/2	1 3/4		9.9	13.2	117.7	30.5	18.9	3.1	13.0	15.7	76.0	44.5	5.0	28mm
C2HLB-197	2/0	70	3/8	1	BLACK	11.2	14.3	87.0	35.0	20.7	3.0	10.5	9.7	46.0	25.4	6.0	33mm
C2HLB-197A	2/0	70	1/4	3/4		11.2	14.3	76.0	35.0	20.7	3.0	6.4	7.1	35.0	19.1	6.0	33mm
C2HLB-198	2/0	70	1/2	1 3/4		11.2	14.3	117.0	35.0	20.7	3.0	13.0	15.7	76.0	44.5	6.0	33mm
C2HLB-199	3/0	95	5/16	1	ORANGE	12.5	15.8	89.0	35.0	22.9	3.2	8.4	8.1	46.0	25.4	8.0	33mm
C2HLB-199A	3/0	95	3/8	1		13	15.8	89.0	35.0	22.9	3.2	10.5	9.7	46.0	25.4	8.0	33mm
C2HLB-1100	3/0	95	3/8	1 3/4		12.5	15.8	118.0	35.0	22.9	3.2	10.5	9.7	76.0	44.5	8.0	33mm
C2HLB-1100A	3/0	95	1/2	1 3/4		12.5	15.8	118.0	35.0	22.9	3.2	13.0	15.7	76.0	44.5	8.0	33mm
C2HLB-1101	4/0	95	3/8	1	PURPLE	13.9	17.5	90.0	36.0	25.4	3.4	10.5	9.7	46.0	25.4	8.0	34mm
C2HLB-1102	4/0	95	1/2	1 3/4		13.9	17.5	120.0	36.0	25.4	3.4	13.0	15.7	76.0	44.5	8.0	34mm
C2HLB-1103	250	120	3/8	1	YELLOW	15.1	19.1	96.0	41.0	27.7	3.8	10.5	9.7	46.0	25.4	9.0	39mm
C2HLB-1104	250	120	1/2	1 3/4		15.1	19.1	126.0	41.0	27.7	3.8	13.0	15.7	76.0	44.5	9.0	39mm
C2HLB-1105	300	150	1/2	1 3/4	WHITE	16.7	20.7	135.0	50.0	30.2	3.8	13.0	15.7	76.0	44.5	9.0	48mm
C2HLB-1106	350	185	1/2	1 3/4	RED	17.8	22.2	137.0	50.0	32.4	4.2	13.0	15.7	76.0	44.5	11.0	48mm
C2HLB-1106A	350	185	3/8	1		17.8	22.2	107.0	50.0	32.4	4.2	10.5	9.7	46.0	25.4	11.0	48mm
C2HLB-1107	400	185	1/2	1 3/4	BLUE	19.4	24.1	139.0	50.0	35.2	4.5	13.0	15.7	76.0	44.5	13.0	48mm
C2HLB-1108	500	240	1/2	1 3/4	BROWN	21.3	27.0	146.0	57.0	39.1	5.5	13.0	15.7	76.0	44.5	13.0	55mm
C2HLB-1108A	500	240	3/8	1		21.3	27.0	116.0	57.0	39.1	5.5	10.5	9.7	46.0	25.4	13.0	55mm
C2HLB-1109	600	300	1/2	1 3/4	GREEN	23.5	30.2	147.0	57.0	43.6	6.4	13.0	15.7	76.0	44.5	14.0	55mm
C2HLB-1109A	600	300	3/8	1		23.5	30.2	117.0	57.0	43.6	6.4	10.5	9.7	46.0	25.4	14.0	55mm
C2HLB1110	750	400	1/2	1 3/4	BLACK	26.5	33.3	160.0	67.0	48.3	6.8	13.0	15.7	76.0	44.5	17.0	65mm
C2HLB-1110A	750	400	3/8	1		26.5	33.3	130.0	67.0	48.3	6.8	10.5	9.7	46.0	25.4	17.0	65mm

NOTE:
The above information corresponds to our actual knowledge and is deemed to be rendered correct and reliable. But they do not represent binding properties. Customers and end-users have to decide autonomously about the applications in the provided range. Under no circumstances Radiform Insulation Industries Pte Ltd is liable for any eventual, indirect or consequential damages arising from the sale, resale, transfer, use or misuse of the product. Our Liabilities are limited to replacing products due to manufacturing defects.

RADI-LUGS™

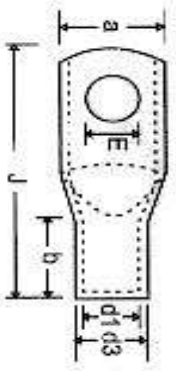
RADI-LUGS HEAVY DUTY LONG BARREL COPPER TUBE TERMINALS

c UL us LISTED

E343654

CLB series of coper tube terminals are made from high purity copper tube and are annealed. This product is designed to enhance both mechanical and electrical performance in heavy duty applications. The terminals are electrolytically tin plated to prevent atmospheric corrosion.
The product has a maximum operating voltage of 33KV
This series of product are tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C

	Cable							Strip
Part Number	AWG/MCM	E	b	a	d1	d3	J	length
CLB 1.5 -5	16	M5	7	8	1.8	3.7	18	5mm
CLB 1.5 -6	16	M6	7	9.5	1.8	3.7	20	5mm
GLB 2.5 -4	14	M4	7	8.5	2.4	4	18	5mm
CLB 2.5 - 5	14	M5	7	9	1.8	3.7	20	5mm
CLB 2.5 - 6	14	M6	7	9.5	1.8	3.7	20	5mm
CLB 2.5 - 8	14	M8	7	12	2.4	4	24	5mm
CLB 4 - 5, 6	8	M5, M6	9	9.5	3.1	4.8	22	8mm
CLB 4 - 8	8	M8	9	12	3.1	4.8	26	8mm
CLB 6 - 5	6	M5	9	9.5	3.8	5.5	23	8mm
CLB 6 - 6	6	M6	9	11	3.8	5.5	27	8mm
CLB 6 - 8	6	M8	9	12	3.8	5.5	27	8mm
GLB 6 - 10	6	M10	9	15	3.8	5.5	32	8mm
CLB 10 - 5	6	M5	10	11	4.7	7.1	27	9mm
CLB 10 - 6	6	M6	10	11	4.7	7.1	29	9mm
CLB 10 - 8	6	M8	10	13.5	4.7	7.1	32	9mm
CLB 10 - 10	6	M10	10	15	4.7	7.1	37	9mm
GLB 10 - 12	6	M12	10	17	4.7	7.1	37	9mm
CLB 16 - 6	4	M6	19	13.5	5.5	7.9	37	17mm
CELB 16 - 8	4	M8	19	11	5.5	7.9	39	17mm
GLB 16 - 10	4	M10	19	15	5.5	7.9	41	17mm
CLB 16 - 12	4	M12	19	17	5.5	7.9	46	17mm
CLB 25 - 6, 8	3	M6, M8	21	13.5	7.1	9.5	41	19mm
CLB 25 - 10	3	M10	21	15.5	7.1	9.5	44	19mm
CLB 25 - 12	3	M12	21	17	7.1	9.5	48	19mm
CLB 35 - 6, 8	2	M6, M8	21	15.5	8.2	11	44	19mm
GLB 35 - 10	2	M10	21	16	8.2	11	46	19mm
CLB 35 - 12	2	M12	21	17	8.2	11	50	19mm
CLB 50 - 6, 8, 10	2	M6, M8, M10	22	18	9.5	13	48	20mm
CELB 50 - 12	2	M12	22	19	9.5	13	52	20mm
CLB 70 - 6, 8, 10, 12	2/0	M6, M8, M10, M12	24	21	11.2	15	54	22mm
CLB 70 - 16	2/0	M16	24	27	11.2	15	64	22mm
CLB 95 - 6, 8, 10, 12	3/0	M6, M8, M10, M12	27	25	13.4	17	60	25mm
GLB 95 - 16	3/0	M16	27	27	13.4	17	64	25mm
CLB 120 - 6, 8, 10, 12	250 MCM	M6, M8, M10, M12	30	29	15.6	21	64	28mm
CLB 120 - 16	250 MCM	M16	30	29	15.6	21	68	28mm
CLB 120 - 20	250 MCM	M20	30	32	15.6	21	81	28mm
CLB 150 - 10	350 MCM	M10	30	32	16.7	23	71	28mm
CLB 150 - 12, 16, 20	350 MCM	M12, M16, M20	30	32	16.7	23	80	28mm
GLB 185 - 10, 12	400 MCM	M10, M12	32	35	18.4	24	83	30mm
CLB 185 - 16	400M C M	M16	32	35	18.4	24	83	30mm
CLB 185 - 20	400M C M	M20	32	38	18.4	24	84	30mm
CLB 240	600 MCM	BLK	38	40	21.2	28	92	36mm
CELB 240 - 12	600 MCM	M12	38	40	21.2	28	92	36mm
CLB 300	750 MCM	BLK	42	45	23.5	31	101	40mm
CLB 300 - 12	750 MCM	M12	42	45	23.5	31	101	40mm
CLB 400	750 MCM	BLK	44	50	26.8	35	114	42mm



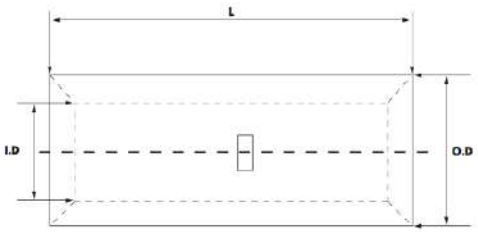
RADI-SPLICE™

RADI-LUGS HEAVY DUTY COPPER TUBE SPLICE TERMINALS

c UL us LISTED

E343654

CCL series of Copper tube splice terminals are produced from high conductivity copper tubing.
Tin plated to provide corrosion resistance.
Suitable for use at voltage up to 35KV provided connector is properly taped. 5KV is the maximum voltage in all bare splices
This series of product is tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C



	Cable	Cable				Wire
Part Number	AWG/MCM	MMSQ	I.D	O.D	L	Strip Length
CCL-1.5	16	1.5	1.8	3.7	22.0	8 mm
CCL -2.5	14	2.5	2.4	4.0	22.0	8 mm
CCL -4	12	4	3.1	4.8	22.0	8 mm
CCL -6	10	6	3.8	5.5	22.0	8 mm
CCL -10	6	10	4.7	7.1	22.0	8 mm
CCL -16	6	16	5.5	8.5	50.0	20 mm
CCL -25	4	25	7.0	10.0	50.0	20 mm
CCL -35	2	35	8.2	12.5	50.0	20 mm
CCL -50	1/0	50	10.0	14.5	56.0	22 mm
CCL -70	2/0	70	11.5	16.5	56.0	22 mm
CCL -95	3/0	95	13.5	19.0	70.0	30 mm
CCL -120	4/0	120	15.5	21.0	70.0	30 mm
CCL -150	300 MCM	150	17.0	23.5	80.0	35 mm
CCL -185	350 MCM	185	19.0	25.5	85.0	37 mm
CCL -240	500 MCM	240	21.5	29.0	90.0	42 mm
CCL -300	600 MCM	300	24.5	32.0	100.0	45 mm
CCL -400	750 MCM	400	26.8	38.5	150.0	70 mm

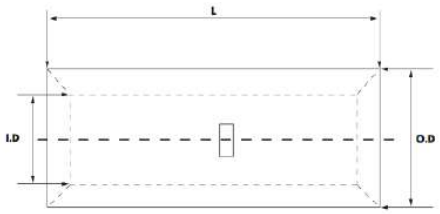
RADI-SPLICE™

RADI -LUGS HEAVY DUTY COPPER TUBE SPLICE TERMINALS WITH MARKING AND COLOUR CODING

c UL us LISTED

E343654

CCE series of Copper tube splice terminals are produced from high conductivity copper tubing Tin plated to provide corrosion resistance.
Serration indicate proper crimp locations and mark with color coding
Suitable for use at voltage up to 35KV provided connector is properly taped
5KV is the maximum voltage in all bare splices
This series of product is tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C



Part Number	Wire AWG	Colour Code	I.D	O.D	L	Number of Crimps	Wire Strip Length
CCE 111	8	RED	4.4	6.9	22.9	2	10 mm
CCE 112	6	BLUE	5.2	7.5	25.4	2	12 mm
CCE 113	4	GREY	6.4	8.7	25.4	2	12 mm
CCE 114	2	BROWN	8.0	10.7	31.8	3	15 mm
CCE 115	2	GREEN	9.1	11.9	45.7	3	21 mm
CCE 116	1	PINK	9.9	13.2	40.6	3	18 mm
CCE 117	2/0	BLACK	11.2	14.3	44.5	3	20 mm
CCE 118	3/0	ORANGE	12.5	15.8	44.5	3	20 mm
CCE 119	4/0	PURPLE	13.9	17.5	48.3	3	23 mm
CCE 120	250	YELLOW	15.1	19.1	50.8	3	24 mm
CCE 121	300	WHITE	16.7	20.7	53.3	3	25 mm
CCE 122	350	RED	17.8	22.2	53.3	3	25 mm
CCE 123	400	BLUE	19.4	24.1	58.4	3	27 mm
CCE 124	500	BROWN	21.2	27.0	63.5	4	30 mm
CCE 125	600	GREEN	23.5	30.2	63.5	4	30 mm
CCE 126	750	BLACK	26.2	33.3	81.3	4	40 mm
CCE 127	8	RED	4.4	6.9	44.5	2	20 mm
CCE 128	6	BLUE	5.2	7.5	44.5	2	20 mm
CCE 129	4	GREY	6.4	8.7	44.5	2	20 mm
CCE 130	2	BROWN	8.0	10.7	48.3	3	22 mm
CCE 131	1	GREEN	9.1	11.9	55.9	3	26 mm
CCE 132	1/0	PINK	9.9	13.2	55.9	3	26 mm
CCE 133	2/0	BLACK	11.2	14.3	57.2	3	28 mm
CCE 134	3/0	ORANGE	12.5	15.8	57.2	3	28 mm
CCE 135	4/0	PURPLE	13.9	17.5	69.9	3	33 mm
CCE 136	250	YELLOW	15.1	19.1	82.6	3	40 mm
CCE 137	300	WHITE	16.7	20.7	89.0	3	43 mm
CCE 138	350	RED	17.8	22.2	95.3	3	46 mm
CCE 139	400	BLUE	19.4	24.1	95.3	3	46 mm
CCE 140	500	BROWN	21.2	27.0	108.0	4	52 mm
CCE 141	600	GREEN	23.5	30.2	114.3	4	55 mm
CCE 142	750	BLACK	26.2	33.3	120.7	4	57 mm

RADI-LUGS™

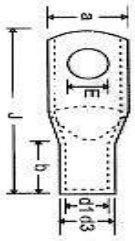
c UL us LISTED

E343654

RADI-LUGS COPPER TUBE TERMINALS (Narrow Palm)
(RCT -British Standard Design)

RNPL series of coper tube terminals are made from high purity copper tube and are annealed.
This product is developed to enhance both mechanical and electrical performance in electrical connection of cable ends. The terminals are electrolytically tin plated to prevent atmospheric corrosion.
The product has a maximum operating voltage up to 11KV
The dimensions of this product is designed for installation of cables to terminal blocks, MCB and ELCB
This series of product are tested and certified to UL-ZMVV, ANSI/UL 486A-486B and ANSI/UL 486C

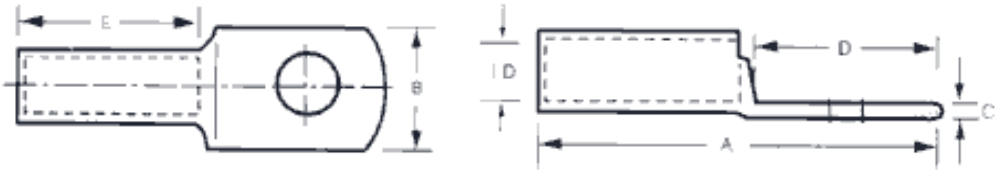
	Cable						
Part Number	AWG/MCM	E	b	a	d1	d3	J
RNPL 10 - 6	6	M6	10	12	4.5	6.2	25.5
RNPL 16 - 8	4	M8	13	12	5.4	7.1	31
RNPL 25 - 8	3	M8	14	13	6.8	8.8	33
RNPL 35 - 8	2	M8	14	15	8.2	10.6	36
RNPL 50 - 8	2	M8	18	16	9.5	12.4	45
RNPL 70 - 8	2/0	M8	18	16	11.2	14.7	52
RNPL 95 - 8	3/0	M8	23	22	13.5	17.4	57
RNPL 95 - 10	3/0	M10	23	22	13.4	17.4	57
RNPL 120 -8	250 MCM	M8	23	22	15	19.4	63
RNPL 120 -10	250 MCM	M10	23	22	15	19.4	63
RNPL 150 - 10	350 MCM	M10	29	24	16.5	21.2	71
RNPL 185 - 12	400 MCM	M12	34	31	18.5	23.5	79
RNPL 240 - 12	600 MCM	M12	39	31	21	26.5	93
RNPL 300 - 12	750 MCM	M12	44	31	23.5	30.0	101
RNPL 400 - 16		M16	47	35	26.8	34.8	116



RADI-LUGS™

Copper Crimp Lugs (Standard Grade)
BS 4579 -2-1973

PRODUCT DIMENSIONS



Part Number	Cable Size (mmsq)	Stud Hole	Internal Dia. (mm)	Outer Dia. (mm)	A	B	C	D	E
RADI 1.5-5	1.5	M5	1.8	3.7	16	8	1.0	9	5
RADI 1.5-6	1.5	M6	1.8	3.7	18	10	0.8	9	5
RADI 2.5-4	2.5	M4	2.4	4.0	18	8	1.0	9	7
RADI 2.5-5/6	2.5	M5, M6	2.4	4.0	20	10	0.8	11	7
RADI 4-5/6	4.0	M5, M6	3.1	4.8	20	10	1.0	11	7
RADI 6-5	6.0	M5	3.8	5.5	23	10	1.2	11	9
RADI 6-6/8	6.0	M6, M8	3.8	5.5	27	12	1.0	15	9
RADI 10-6	10.0	M6	4.5	6.2	25	12	1.2	13	9
RADI 10-9	10.0	M8	4.5	6.2	27	12	1.2	15	9
RADI 16-6	16.0	M6	5.4	7.1	30	12	1.4	14	12
RADI 16-8/10	16.0	M8, M10	5.4	7.1	32	12	1.4	16	12
RADI 20-8	20.0	M8	6.0	7.7	32	12	1.6	16	12
RADI 25-6	25.0	M6	6.8	8.8	30	13	2.0	14	12
RADI 25-8/10/12	25.0	M8, M10, M12	6.8	8.8	37	17	1.3	21	12
RADI 35-6/8	35.0	M6, M8	8.2	10.6	35	15	2.4	18	12
RADI 35-10/12	35.0	M10, M12	8.2	10.6	38	18	1.9	21	12
RADI 50-8/10/12	50.0	M8, M10, M12	9.5	12.4	43	18	2.9	21	16
RADI 70-8/10/12	70.0	M8, M10, M12	11.2	14.7	50	21	3.5	25	18
RADI 70-16	70.0	M16	11.2	14.7	51	21	3.5	25	18
RADI 95-10/12/16	95.0	M10, M12, M16	13.5	17.4	55	25	3.9	26	20
RADI 120-10/12	120.0	M10, M12	15.0	19.4	60	28	4.4	28	22
RADI 120-16	120.0	M16	15.0	19.4	64	28	4.4	28	22
RADI 150-12/16	150.0	M12, M16	16.5	21.2	69	30	4.7	32	26
RADI 185-12/16	185.0	M12, M16	18.5	23.5	78	34	5.0	34	32
RADI 240-12/16/20	240.0	M12, M16, M20	21.0	26.5	92	38	5.5	40	38
RADI 300-12/16/20	300.0	M12, M16, M20	23.5	30.0	101	43	6.5	44	42
RADI 400-12/16/20	400.0	M12, M16, M20	26.8	34.8	114	50	8.0	53	44
RADI 500-16/20	500.0	M16, M20	30.0	39.0	124	56	9.0	56	48
RADI 630-16/20	630.0	M16, M20	35.0	45.0	144	65	10.0	66	56
RADI 800-BLK	800.0	BLANK	39.0	50.6	170	73	11.6	72	78
RADI 000-BLK	1000.0	BLANK	43.0	56.0	200	81	13.2	89	90

* The above dimensions chart is for your information and reference. The products' dimensions are designed to meet BS 4579-2-1973 specification. Other dimensions and designs are available upon request. If you have special requirements, please do not hesitate to contact our technical offices or representatives in your local area.

The above products' dimensions are for reference and information. The manufacturer reserves the rights to make changes to the products' dimensions as they see fit, without prior notice. Please check with our technical office or your local distributors when in doubts.

RADI-LUGS™

HT-RCM Series: Tinned Copper Lugs For Medium Voltage - (up to 33KV)

Radi Lugs HT-RCM series of tinned copper cable lugs are designed and engineered for medium voltage applications up to 33KV.

These products are manufactured from high purity electrolytic grade copper annealed and tin-plated. The extended barrel of the lugs provides enhanced electrical and mechanical performance. The absence of inspection hole prevents moisture entry into the compressed joint and makes these lugs suitable for both indoor and outdoor applications

These series of lugs are able to accommodate cables with round conductors, round compact conductors and sector shaped conductors.

General Properties

Operating temperature: -55 to 150 deg C
Total conductivity: 97.25% IACS
Total resistivity: 1.738 micro ohm/cm

Conductive Material as per BS12449 (C11000)

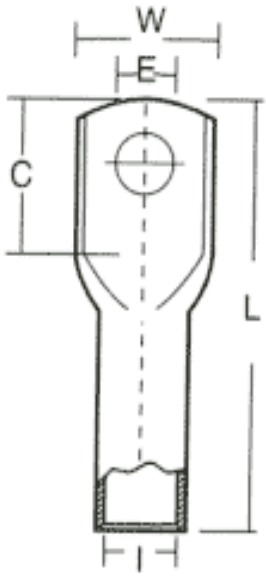
Copper purity: 99.9%
Oxygen content: 30 p,pm
Tensile strength: 200MPa
Ductile rating: 40%
Final metal state: Fully annealed

Electroplating material conform to BS1872

Tin material: 99%
Other materials: Lead and antimony
Thickness: 5 to 10 micron

Product Dimensions

Part Number	Stud Hole	Dimensions mm				
	mm	I	W	C	E	L
RHTCL 35-M12	M12	8.2	19	26	13.2	53
RHTCL 35-M16	M16	8.2	26	36	17	68
RHTCL 50-M10	M10	9.5	20	26	10.5	55
RHTCL 50-M12	M12	9.5	20	26	13.2	55
RHTCL 50-M16	M16	9.5	26	36	17	68
RHTCL 70-M12	M12	11.2	21	26	13.2	70
RHTCL 70-M16	M16	11	30	36	17	70.2
RHTCL 95-M12	M12	13.5	25	26	13.2	78
RHTCL 95-M14	M14	12	29	34	15	79
RHTCL 120-M12	M12	15	28	26	13.2	82
RHTCL 120-M14	M14	15	31	34	15	85
RHTCL 150-M12	M12	16.5	30	30	13.2	98
RHTCL 150-M14	M14	16.5	32	34	15	85
RHTCL 180-M14	M14	17	32.5	34	15	85
RHTCL 240-M14	M14	19.2	43	34	15	91
RHTCL 300-M12	M12	23.5	44	36	12	106
RHTCL300-M14	M14	23.7	44	34	15	89
RHTCL400-M14	M14	27	51	41	15	121
RHTCL400-M16	M16	26.5	50.1	41	17	140
RHTCL400-M20	M20	27	51	47	21	123
RHTCL500-M16	M16	30	56	41	17	147
RHTCL500-M20	M20	30.3	56.5	47	21	130
RHTCL630-M16	M16	35	62	41	17	159
RHTCL630-M20	M20	33.4	61.5	47	21	142



RADI-LUGS copper crimp 2-hole long barrel lugs are made from 99.9 % pure E grade copper, which provide the best electrical properties in its grade. The material used conforms to BS 2874-C101, ASTM B 152-C11000.

The heavy wall thickness in the barrel provides good termination and excellent electrical and mechanical properties. The long barrel also provides double or triple crimping, thus substantially increase connectivity and tensile strength. The lugs come either with /without inspection hole. Barrel entry is chamfered to facilitate easy and smooth cable entry.

General Properties

Operating temperature:
Electro-tin plated: -55 to 155 deg C
Total conductivity: 97.25% IACS
Total resistivity: 0.0172 ohms/mm^2

Conductive Material as per BS12449 (C11000)

Copper purity: 99.9%
Oxygen content: 30 p,pm
Tensile strength: 23kg/mm^2
Ductile rating: 40%
Final metal state: Fully annealed

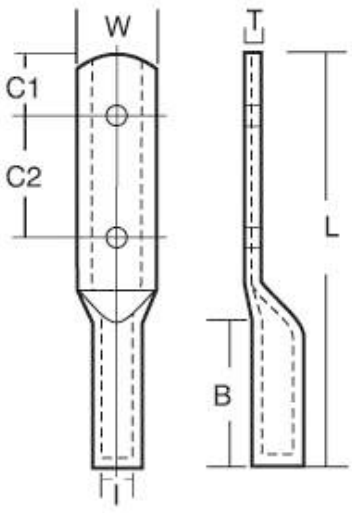
Electroplating material conform to BS1872 (1984)

Tin material: 99%
Other materials: Lead and antimony
Thickness: 5 to 10 micron

Product overall performance and specification conform to: BS 4579-2-1973

Product Dimensions

Part Number	Stud Hole	Dimensions						
		C2	C1	L	T	B	I	W
RADI 25-M12/2H	M12	44.5	16	119	3	28	6.8	21.0
RADI 35-M12/2H	M12	44.5	16	120	3	28	8.2	21.0
RADI 50-M12/2H	M12	44.5	16	124	3.3	36	9.5	21.0
RADI 70-M12/2H	M12	44.5	16	128	3.5	38	11.2	21.5
RADI 95-M12/2H	M12	44.5	16	130	3.9	38	13.5	25.5
RADI 120-M12/2H	M12	44.5	16	132	4.4	40	15.0	28.0
RADI 150-M12/2H	M12	44.5	16	138	4.7	40	16.5	31.0
RADI 185-M12/2H	M12	44.5	16	147	5.0	50	18.5	34.0
RADI 240-M12/2H	M12	44.5	16	136	5.5	43	21.0	39.0
RADI 300-M12/2H	M12	44.5	16	141	6.5	47	23.5	43.5
RADI 400-M12/2H	M12	44.5	16	146	8.0	50	26.8	50.0
RADI 500-M12/2H	M12	44.5	16	156	9.0	60	30.0	56.0
RADI 630-M12/2H	M12	44.5	16	166	10.0	65	35.0	65.0



The above products' dimensions are for reference and information. The manufacturer reserves the rights to make changes to the products' dimensions as they see fit, without prior notice. Please check with our technical office or your local distributors when in doubts.

RADI-LUGS™ Insulated and Un-insulated Tinned Copper Pin Connectors

RADI range of tinned copper pin connectors are developed with the purpose for easy termination of wires and cables to terminal and contact blocks. This product is manufactured from electrolytic copper, rolled, tin plated and brazed. The high quality and high conductive copper material ensure excellent conductivity and contact.

The insulation material of the insulated pin is made from nylon material with high temperature tolerance. The funnel flare shape design at the end of the insulation sleeve provides easy and complete entry for both solid and stranded conductors.

General Properties

Electrical Properties

Total Conductivity:	97.25% IACS
Total resistivity:	0.0172 ohms/mm^2

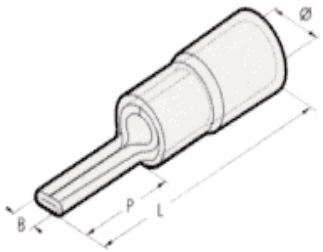
Electroplating

Tin material:	99%
Other materials:	Lead and antimony
Thickness:	5 to 10 micron

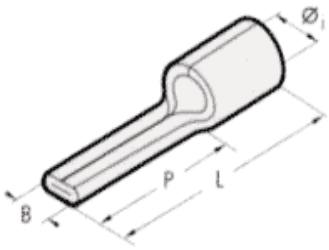
Conductive Material as per BS12449

Copper Purity:	99.9%
Tensile strength:	23kg/mm^2
Final metal state:	Fully annealed
Operating temperature	
Un-insulated Pin:	-55 to 125 deg C
Nylon Insulated Pin:	-55 to 95 deg C

Product Dimensions



Insulated Pin



Un-insulated Pin

Part Number	Conductor Size	Dimensions In mm				Standard Pack	Remarks
		∅	B	P	L		
RADI10-IP	10mmsq	8.0	4.3	14.5	35.1	100 pcs	Nylon Insulated
RADI-16-IP	16mmsq	9.2	5.5	18.0	41.1	100 pcs	Nylon Insulated
RADI-25-IP	25mmsq	11.1	6.8	20.3	45.0	100 pcs	Nylon Insulated
RADI-35-IP	35mmsq	13.6	8.0	24.5	55.0	100 pcs	Nylon Insulated
RADI-10-P	10mmsq	4.8	4.3	14.5	23.5	100 pcs	Un-insulated
RADI-16-P	16mmsq	5.9	5.5	18.0	28.0	100 pcs	Un-insulated
RADI-25-P	25mmsq	7.0	7.0	20.3	32.0	100 pcs	Un-insulated
RADI-35-P	35mmsq	8.9	8.0	24.5	39.0	100 pcs	Un-insulated
RADI-50-P	50mmsq	10.0	9.5	26.0	45.0	100 pcs	Un-insulated
RADI-70-p	70mmsq	11.5	11.0	31.0	55.0	100 pcs	Un-insulated

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