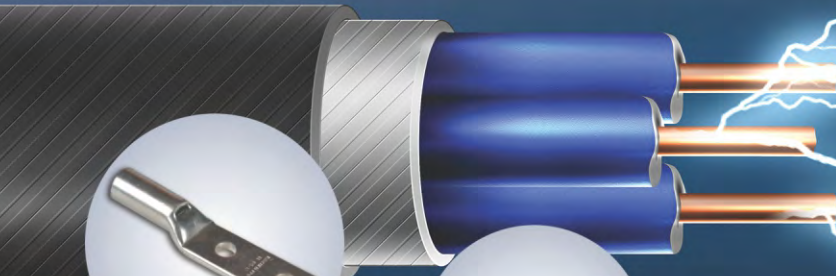
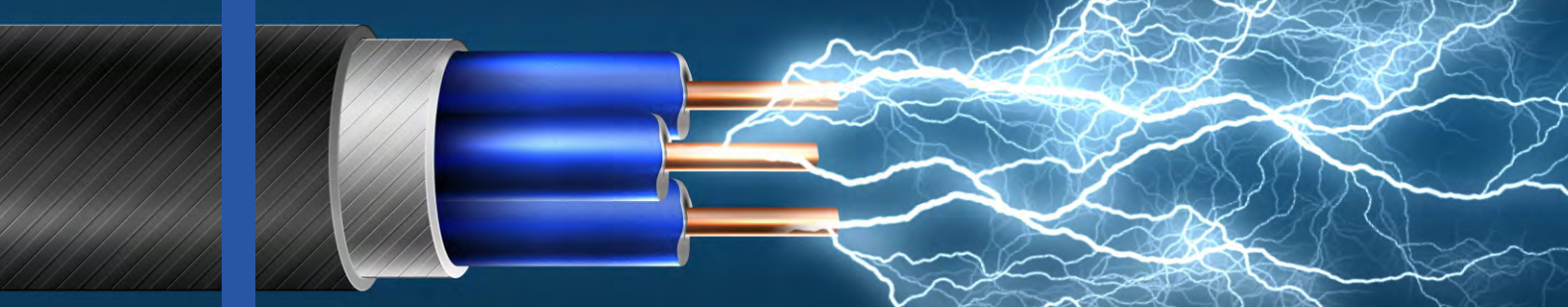


# Cable Lugs & Wire Connectors



( A TE-Connectivity - RPG Enterprises JV )



# CONTENTS

- 1 INTRODUCTION TO CABLE LUGS AND CONNECTORS**
- 2 WHY RAYCHEM RPG**
- 3 OUR STANDARDS**
- 4 PRODUCT APPROVALS**
- 5 CRIMPING METHODOLOGY**
- 6 CABLE LUGS**
  - Copper Cable Lugs**
    - ❖ Standard Range Cable Lugs ..... 6-7
    - ❖ Light Duty Cable Lugs - Economy Range ..... 8
    - ❖ Bell Mouth Cable Lugs ..... 9
    - ❖ Four Hole Transformer Cable Lugs ..... 10
    - ❖ Narrow Palm Cable Lugs ..... 11
    - ❖ Long Barrel Cable Lugs ..... 11-12
    - ❖ DIN 46235 Cable Lugs ..... 13
    - ❖ Single Hole High Voltage Cable Lugs ..... 14
    - ❖ Two Hole High Voltage Cable Lugs ..... 15
    - ❖ Tubular Cable Lugs – 45° Angle ..... 16
    - ❖ Tubular Cable Lugs – 90° Angle ..... 17-18
    - ❖ Australian Standard Cable Lugs ..... 19
    - ❖ Australian Standard Cable Connector ..... 20
  - Aluminium Cable Lugs**
    - ❖ Standard Aluminium Cable Lugs ..... 21
    - ❖ Aluminium Lugs for XLPE Cables ..... 21
- 7 CABLE CONNECTORS**
  - Copper Cable Connectors**
    - ❖ Short Barrel Cable Connectors ..... 22
    - ❖ Long Barrel Cable Connectors ..... 22
    - ❖ DIN 46235 Cable Connectors ..... 23
    - ❖ Upto 36 Kv Cable Connectors ..... 23
    - ❖ C Type Connectors ..... 23
    - ❖ Reducing Link Connectors ..... 24
  - Aluminium Cable Connectors**
    - ❖ Aluminium Through Connectors ..... 24
- 8 TERMINALS**
  - ❖ Snap on Terminals ..... 25
  - ❖ Fork Type Terminals ..... 25
  - ❖ Pin Type Terminals (Insulated and Non Insulated) ..... 26
  - ❖ Insulated Cable End - Sleeves To DIN 0.5-1.50mm ..... 27
  - ❖ Ring Type Terminals (Insulated and Non Insulated) ..... 28
- 9 BI-METALLIC CABLE LUGS AND CONNECTORS**
  - ❖ Bi-Metallic Cable Lugs ..... 29
  - ❖ Bi-Metallic Cable Connectors ..... 29
- 10 ACCESSORIES**
  - ❖ Mechanical Cables Lugs – Bolted with 2 or 4 Screws ..... 30
  - ❖ Line Taps / Split Bolts ..... 30

# OUR COMPANY

Raychem RPG (P) Ltd., incorporated in 1989, is a 50:50 Joint Venture between TE Connectivity, U.S.A. (formerly Tyco Electronics) and RPG Enterprises, India.

**TE Connectivity** is a US\$13 Billion global provider for solutions in Network, Transportation, Consumers and Industrial for over 50 years.

**RPG Enterprises**, an establishment of over 30 years, is one of India's fastest growing business groups with turnover of US\$ 3 Billion. The group has more than fifteen companies managing diverse business interests in the areas of Automotive Tyres, Infrastructure, IT and Specialty including Pharmaceuticals, Power Ancillaries & Plantations.



## INTRODUCTION TO CABLE LUGS AND CONNECTORS

---

Cable lugs are used for connecting the cables/wires to electrical appliances, other cables, surfaces, or mechanisms. These Lugs are usually used when permanent, direct-fastening methods are not feasible or not required.

Raychem RPG manufactures cable lugs and connectors, which provides termination for a variety of power and grounding applications with innovation and reliability. These lugs and connectors are made of high strength, high conductivity electrolytic copper and aluminium alloy materials to provide optimum connectivity for power and grounding applications.

### Features of Cable lugs and connectors

- Our lugs and connectors are safe and economical both in design and use
- All copper lugs and connectors are electro-tinned to inhibit corrosion and oxidation
- Entry to terminal is shock proof and flared end is provided in selective lugs for easier conductor entry in flexible cables
- The terminals of our lugs and connectors are designed for easy insertion of standard wires and for flexible wire insertions the barrel end is made bell mouthed (flared)
- Our lugs and connectors are annealed to guarantee optimum ductility

Our lugs and connectors are manufactured from Cathodes sourced from LME approved warehouse. Our Aluminium lugs are manufactured from ISO certified tube manufactures. We have inhouse facility to check conductivity of aluminium and copper. Copper Specifications 99% IACS, BS EN 1976: 1998, BSEN 1978:1998. Copper finish: Electroplated to BS 1827: 1984.

### Our Offerings

- Our cable lugs and connectors meet the highest quality requirements and satisfy the required international standards.
- We have an extensive range for low and medium-voltage applications
- We offer distinct phase for easy conductor entry and burr-free edges
- Our products provide with consistent precision, high safety and rating properties, thanks to high quality electrolytic copper that we use.

## WHY RAYCHEM RPG

### Quality



At Raychem RPG, quality is a long history of success and recognition. Today the company is one of the Indian businesses to have adjusted and certified its progress according to strict regulatory standards:

- Quality (ISO 9001 : 2008)
- Environment (ISO 14000)
- Safety (OHSAS 18001)

### Production Control



In order to guarantee our products high quality standards, the production process must be monitored with constant and careful precision. The control phases accompany all the stages of production and often use advanced technology for measurement and detection. We use the cutting edge CNC machine for all our manufacturing operations related to Cable lugs to maintain the world class standard of Raychem RPG.

### Care for Environment



Raychem RPG believes that industrial development can truly respect, and therefore be compatible with the environment. For Raychem RPG, protecting the environment and the people and things around you is an important responsibility that requires constant and immediate consideration. It is a conscious decision which involves believing in the future.

### Competitive Enterprise



One of Raychem RPG's aims is knowing how to offer its users best possible solution in consideration of the quality-price ratio. The fact that thousands of clients all over the world are faithful to Raychem RPG products demonstrates the technical and economic validity of the solution offered.

### Global Capability



The company's sales network is one of its strengths. It enables Raychem RPG to be present on all the main global markets consequently being as closely as possible to the end customer. The company has its presence in South Africa, Qatar, Russia, Kazakhstan and the UK. This direct access to each market allows the Raychem RPG staff to remain inside the market with the advantage of being closer to the client.

## OUR STANDARDS

### Specialized Solution For Every Application

- Compliance with international standards, including IEC and UL.
- Solutions for cables with compacted round conductors, cables with sector-shaped conductors and to suit individual requirements.
- Plus all corresponding manual and hydraulic crimping tools.

#### Benefits:

- The right products for every installation scenario.
- Highest flexibility for connecting cables.
- Standards-compliance permits international application.
- A single source for everything – from cable lugs to tools.
- Guarantees the correct tools for professional electrical installations.



### High Tech Cnc M/c Processing

- Raychem RPG tubular cable lugs are made from quality E-Cu tubes. All suppliers are certified.
- Defined, unique material properties by annealing cable lugs.



#### Benefits:

- Optimised conductivity, enhanced safety and high cable lug rating thanks to high quality material.
- The annealing of cable lugs during production sets Raychem RPG products apart and guarantees outstanding processing properties such as a defined hardness and tooling operations with reduced effort and less wear of tools.

### Heavy Duty Applications & Performance

- Consistent material thickness, precise diameters and accurate fit mean optimised processing and ultimate reliability.
- Tested to DIN EN 61373 Class 1B "Railway applications".

#### Benefits:

- With professional installation of the correct types, optimised stability even with mechanically stressed or strong vibrating connections.
- Less repair and maintenance.
- Safe connections even under high load, e.g. in public transport services.



## PRODUCT APPROVAL

### IEC 61238 APPROVAL

Raychem RPG Terminal Lug and Copper Lugs are tested according to "Class A" of IEC61238-1 for rated voltages upto 30kV ( $U_m=36kV$ )



#### Scope and object of IEC61238-1

Compression and mechanical connectors for power cables for rated voltages up to 30kV( $U_m=36kV$ ),e.g. buried cables or cables installed in buildings, having conductors complying with IEC60228 and IEC60228A with cross-sectional areas 10mm<sup>2</sup> and greater for copper and a maximum continuous conductor temperature not exceeding 90°C.

#### Class A

These are connectors intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration. As a consequence, Class A connectors are suitable for the majority of applications.

#### Depending on the application, the connectors are subjected to the following tests :

**Heat Cycle Test** - The object of the heat cycle is to determine the reference conductor temperature to be used for subsequent cycles and also to identify the median connector.

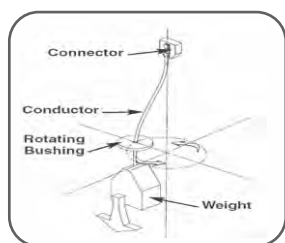
Total 1000 cycles required.

**Short-circuit test.** Six short-circuits are applied after the 200th heat cycle. The short-circuit current level shall be such that it raises the bare reference conductors from a temperature of  $\leq 35^\circ C$  to a temperature between  $250^\circ C$  and  $270^\circ C$ . The maximum temperature, time and approximate current, or the actual current and time, used for the short-circuit test, shall be recorded and stated in the test report.

**Mechanical Test:** The conductor lengths, between connector and tensile test machine jaws, shall be  $\geq 500mm$ . The rate of application of the load shall not exceed 10N per square millimetre of cross-sectional area and per second up to the value in copper : maximum 20000N, which is then maintained for 1 min.

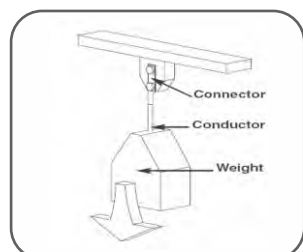
### UL 486A & 486B Approval

Raychem RPG Terminal Lug and connectors comply with UL Standard requirements and they have been carried out the tests according to UL486A and UL486B.



#### Test 1 - Wire Secureness Test -

The object of this test is to get long term dependability in Raychem RPG copper lugs and connectors with moving equipment.

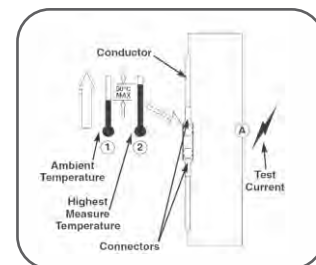


#### Test 3 - Wire Pullout Test

The object of this test is to Secure connection under static tensile Loads. Wire Pullout Test Sequence

#### Test 2 - Static Heating Test

The object of this test is to get long Safe Connection at Rated Current`  
Static Heating Test Sequence



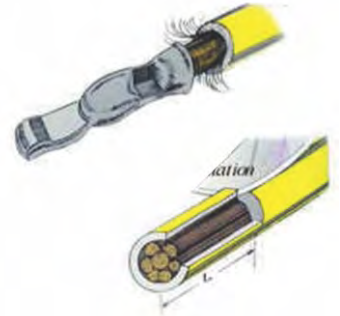
# CRIMPING METHODOLOGY

The following are a series of procedures that Raychem RPG suggests maintaining and extending the performance life of connectors.

## COPPER LUG CRIMPING

### 1. STRIPPING CABLE INSULATION

Problems with cable harness and connector systems often begin with improper or accidental cutting of wire strands while stripping cable insulation. Each strand is important, and all of them must be included in the contact barrel to avoid unnecessary hot spots during operation. When removing insulation, position a sharp blade at a right angle and apply steady, controlled pressure, cutting only the cable insulation, not the copper wire. Strip cable to the proper length for the contact being crimped. Proper lengths are listed in the instruction sheet.



### 2. CLEANING COPPER WIRE

Aged and badly tarnished copper should be thoroughly scraped with a brush which penetrates the entire bundle cleaning every strand. The wires will then be ready for insertion into the contact barrel when they are brushed to their original bright copper finish. Contact barrels are lined with silver or tin plating to assure consistent conductivity, which will be reduced if the barrel is crimped around aged or tarnished wire.



### 3. CRIMPING

The best preparation will be defeated if inadequate tools or improper crimping procedures are performed. Never use a hammer and chisel or the "squeeze in a vise" method. They won't do the job and will result in substantial reduction in connector life.

Use a crimp tool. Make sure the stripped cable is inserted all the way into the barrel of the contact and that the contact point is centered in the crimp tool. A crimp tool will effectively compress the contact barrel tightly around the cable strands, allowing them to be pressed tightly against each other and against the inside wall of the contact barrel.



When the crimp has been completed, check the appearance of the contact. A properly crimped contact barrel is compacted tightly with the outer strands. The outer strands on an improperly crimped barrel will be loose and will not have adequate clamping force. Test for low pull out force. If the cable can be loosened, recrimp until it is tight.

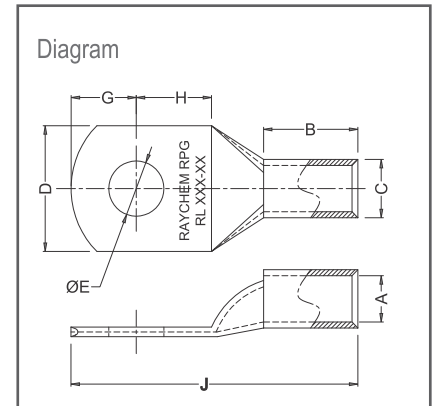


## STANDARD RANGE CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
		E	A	C	D	G	H	B	J	
1.5	M4	4.2	1.8	3.7	8	4	5	6	17	RL - 1.5 - 4
1.5	M5	5.2	1.8	3.7	8	4	5	6	17	RL - 1.5 - 5
1.5	M6	6.5	1.8	3.7	10	4	6	6	18	RL - 1.5 - 6
2.5	M4	4.2	2.4	4	8	4	5	8	19	RL - 2.5 - 4
2.5	M5	5.2	2.4	4	8	4	5	8	19	RL - 2.5 - 5
2.5	M6	6.5	2.4	4	10	5	6	8	21	RL - 2.5 - 6
2.5	M8	8.4	2.4	4	12	6	9	8	26	RL - 2.5 - 8
4	M4	4.2	3.1	4.8	10	5	6	8	21	RL - 4 - 4
4	M5	5.2	3.1	4.8	10	5	6	8	21	RL - 4 - 5
4	M6	6.5	3.1	4.8	10	5	6	8	21	RL - 4 - 6
4	M8	8.4	3.1	4.8	12	6	9	8	24	RL - 4 - 8
6	M5	5.2	3.8	5.5	10	5	6	10	23	RL - 6 - 5
6	M6	6.5	3.8	5.5	10	5	6	10	24	RL - 6 - 6
6	M8	8.4	3.8	5.5	12	6	9	10	27	RL - 6 - 8
6	M10	10.5	3.8	5.5	15	8	11	10	32	RL - 6 - 10
10	M6	6.5	4.5	6.2	11	6	7	10	26.5	RL - 10 - 6
10	M8	8.4	4.5	6.2	12	6	9	10	27.5	RL - 10 - 8
10	M10	10.5	4.5	6.8	15	8	11	11	32	RL - 10 - 10
16	M5	5.2	5.4	7.1	12	7	7	12	30	RL - 16 - 6
16	M6	6.5	5.4	7.1	12	7	7	12	30	RL - 16 - 6
16	M8	8.4	5.4	7.1	12	7	7	12	30	RL - 16 - 8
16	M10	10.5	5.4	7.6	15	8	12	12	36	RL - 16 - 10
16	M12	13	5.4	7.6	17	11	13	12	39	RL - 16 - 12
25	M6	6.5	6.8	8.8	13	7	7	12	30	RL - 25 - 6
25	M8	8.4	6.8	8.8	13	7	7	12	30	RL - 25 - 8
25	M10	10.5	6.8	8.8	15	10	11	13	36.5	RL - 25 - 10
25	M12	13	6.8	8.8	17	10	12	15	40	RL - 25 - 12
35	M6	6.5	8.2	10.6	16	9	9	13.5	36	RL - 35 - 6
35	M8	8.4	8.2	10.6	16	9	9	13.5	36	RL - 35 - 8
35	M10	10.5	8.2	10.6	16	9	9	13.5	37	RL - 35 - 10
35	M12	13	8.2	10.6	18	10	12	13.5	41	RL - 35 - 12
35	M16	17	8.2	10.6	22	14	18	13.5	50	RL - 35 - 16
50	M8	8.4	9.5	12.4	18	9	10	17	42	RL - 50 - 8
50	M10	10.5	9.5	12.4	18	9	10	17	42	RL - 50 - 10
50	M12	13	9.5	12.4	20	10	12	17	45	RL - 50 - 12
50	M16	17	9.5	12.4	22	15	15	18	52	RL - 50 - 16
70	M8	8.4	11.3	14.6	21	11	11	18.5	47	RL - 70 - 8
70	M10	10.5	11.3	14.6	21	11	11	18.5	47	RL - 70 - 10
70	M12	13	11.3	14.6	21	11	11	18.5	47	RL - 70 - 12
70	M14	14.5	11.3	14.6	22	14	15	18.5	55	RL - 70 - 14
70	M16	17	11.3	14.6	26	14	16	18.5	56	RL - 70 - 16



Standard Lug



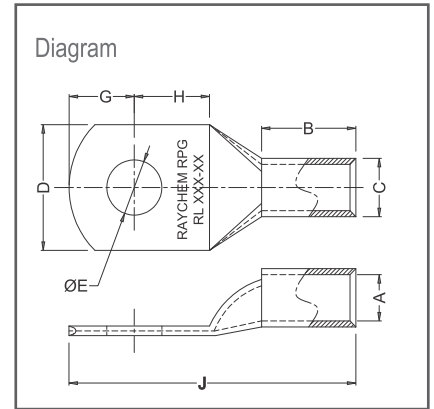
### FEATURES

- With inspection hole to ensure full cable insertion
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Annealed material optimizes material and crimping properties
- Flat contact surface and precise stud holes as per the Metric standard
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

Continued....

# STANDARD RANGE CABLE LUGS Continued.....

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
		E	A	C	D	G	H	B	J	
95	M8	8.4	13.5	17.4	25	12	13	21	53	RL - 95 - 8
95	M10	10.5	13.5	17.4	25	12	13	21	53	RL - 95 - 10
95	M12	13	13.5	17.4	25	12	13	21	53	RL - 95 - 12
95	M13	14.5	13.5	17.4	25	14	15	22	55	RL - 95 - 14
95	M16	17	13.5	17.4	25	14	16	22	56	RL - 95 - 16
120	M10	10.5	15	19.4	28	13	14	23	60	RL - 120 - 10
120	M12	13	15	19.4	28	13	14	23	60	RL - 120 - 12
120	M13	14.5	15	19.4	28	13	14	23	60	RL - 120 - 14
120	M16	17	15	19.4	28	16	16	23	64	RL - 120 - 16
150	M10	10.5	16.5	21.2	30	16	16	27	70	RL - 150 - 10
150	M12	13	16.5	21.2	30	16	16	27	70	RL - 150 - 12
150	M13	14.5	16.5	21.2	30	16	16	27	70	RL - 150 - 14
150	M16	17	16.5	21.2	30	16	16	27	70	RL - 150 - 16
150	M20	21	16.5	21.2	30	19	16	27	73	RL - 150 - 20
185	M10	10.5	18.5	23.5	34	17	19	32	80	RL - 185 - 10
185	M12	13	18.5	23.5	34	17	19	32	80	RL - 185 - 12
185	M13	14.5	18.5	23.5	34	17	19	32	80	RL - 185 - 14
185	M16	17	18.5	23.5	34	17	19	32	80	RL - 185 - 16
185	M20	21	18.5	23.5	34	17	19	32	80	RL - 185 - 20
240	M10	10.5	21	26.5	38	20	20	37	94	RL - 240 - 10
240	M12	13	21	26.5	38	20	20	37	94	RL - 240 - 12
240	M13	14.5	21	26.5	38	20	20	37	94	RL - 240 - 14
240	M16	17	21	26.5	38	20	20	37	94	RL - 240 - 16
240	M20	21	21	26.5	38	20	20	37	94	RL - 240 - 20
300	M10	10.5	23.5	30	43	22	22	42	101	RL - 300 - 10
300	M12	13	23.5	30	43	22	22	42	101	RL - 300 - 12
300	M13	14.5	23.5	30	43	22	22	42	101	RL - 300 - 14
300	M16	17	23.5	30	43	22	22	42	101	RL - 300 - 16
300	M20	21	23.5	30	43	22	22	42	101	RL - 300 - 20
400	M10	10.5	28.5	36.5	52.5	26	26	44	114	RL - 400 - 10
400	M12	13	28.5	36.5	52.5	26	26	44	114	RL - 400 - 12
400	M13	14.5	28.5	36.5	52.5	26	26	44	114	RL - 400 - 14
400	M16	17	28.5	36.5	52.5	26	26	44	114	RL - 400 - 16
400	M20	21	28.5	36.5	52.5	26	26	44	114	RL - 400 - 20
500	M16	17	30	39	56	28	28	48	129	RL - 500 - 16
500	M20	21	30	39	56	28	28	48	129	RL - 500 - 20
500	NA*	30	39	56				48	129	RL - 500 - BL
630	M16	17	35	45	63.8	33	33	58	148	RL - 630 - 16
630	M20	21	35	45	63.8	33	33	58	148	RL - 630 - 20
630	NA*		35	45	63.8			58	148	RL - 630 - BL
800	NA*		39	50.6	72			78	170	RL - 800 - BL
1000	NA*		43	56.2	78.5			90	200	RL - 1000 - BL

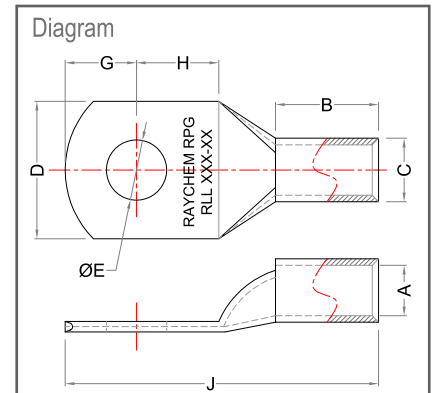


\* WITHOUT STUD HOLE

## LIGHT DUTY CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
		E	A	C	D	G	H	B	J	
35	M6	6.5	8	10	15	9	9	13.5	37	RLL - 35 - 6
35	M8	8.4	8	10	15	9	9	13.5	37	RLL - 35 - 8
35	M10	10.5	8	10	15	9	9	13.5	37	RLL - 35 - 10
35	M12	13	8	10	18	10	12	13.5	41	RLL - 35 - 12
50	M6	6.5	9.2	11.2	16	9	10	17	42	RLL - 50 - 6
50	M8	8.4	9.2	11.2	16	9	10	17	42	RLL - 50 - 8
50	M10	10.5	9.2	11.2	16	9	15	17	42	RLL - 58 - 10
50	M12	13	9.2	11.2	20	10	12	17	45	RLL - 50 - 12
50	M14	14.5	9.2	11.2	22	15	15	18	54	RLL - 50 - 14
50	M16	17	9.2	11.2	22	15	15	18	54	RLL - 50 - 16
70	M8	8.4	11.5	13.8	20	11	11	18.5	47	RLL - 70 - 8
70	M10	10.5	11.5	13.8	20	11	11	18.5	47	RLL - 70 - 10
70	M12	13	11.5	13.8	20	11	11	18.5	47	RLL - 70 - 12
70	M14	14.5	11.5	13.8	20	14	15	18.5	55	RLL - 70 - 14
70	M16	17	11.5	13.8	20	14	16	18.5	56	RLL - 70 - 16
95	M8	8.4	12.8	15.6	23	12	13	21	53	RLL - 95 - 8
95	M10	10.5	12.8	15.6	23	12	13	21	53	RLL - 95 - 10
95	M12	13	12.8	15.6	23	12	13	21	53	RLL - 95 - 12
95	M14	14.5	12.8	15.6	23	14	15	22	55	RLL - 95 - 14
95	M16	17	12.8	15.6	23	14	16	22	56	RLL - 95 - 16
120	M8	8.4	14.8	17.8	26	13	14	23	60	RLL - 120 - 8
120	M10	10.5	14.8	17.8	26	13	14	23	60	RLL - 120 - 10
120	M12	13	14.8	17.8	26	13	14	23	60	RLL - 120 - 12
120	M14	14.5	14.8	17.8	26	13	14	23	60	RLL - 120 - 14
120	M16	17	14.8	17.8	26	16	16	23	64	RLL - 120 - 16
150	M8	8.4	16	19.6	28	16	16	27	70	RLL - 150 - 8
150	M10	10.5	16	19.6	28	16	16	27	70	RLL - 150 - 10
150	M12	13	16	19.6	28	16	16	27	70	RLL - 150 - 12
150	M14	14.7	16	19.6	28	16	18	27	70	RLL - 150 - 14
150	M16	17	16	19.6	28	16	16	27	70	RLL - 150 - 16
150	M20	21	16	19.6	28	16	16	27	73	RLL - 150 - 20
185	M10	10.5	18	22	32	17	19	32	80	RLL - 185 - 10
185	M12	13	18	22	32	17	19	32	80	RLL - 185 - 12
185	M14	14.7	18	22	32	17	19	32	80	RLL - 185 - 14
185	M16	17	18	22	32	17	19	32	80	RLL - 185 - 16
185	M20	21	18	22	32	17	19	32	80	RLL - 185 - 20
240	M10	10.5	22	26	38	20	21	39	94	RLL - 240 - 10
240	M12	13	22	26	38	20	21	39	94	RLL - 240 - 12
240	M14	14.7	22	26	38	20	21	39	94	RLL - 240 - 14
240	M16	17	22	26	38	20	21	39	94	RLL - 240 - 16
240	M20	21	22	26	38	20	21	39	94	RLL - 240 - 20
300	M10	10.5	24	28.7	42	22	23	42	102	RLL - 300 - 10
300	M12	13	24	28.7	42	22	23	42	102	RLL - 300 - 12
300	M14	14.7	24	28.7	42	22	23	42	102	RLL - 300 - 14
300	M16	17	24	28.7	42	22	23	42	102	RLL - 300 - 16
300	M20	21	24	28.7	42	22	23	42	102	RLL - 300 - 20
300	NA*		24	28.7	42	22	23	42	102	RLL - 300 - BL
400	M12	13	28	33.2	49	25	25	45	112	RLL - 400 - 12
400	M14	14.7	28	33.2	49	25	25	45	112	RLL - 400 - 14
400	M16	17	28	33.2	49	25	25	45	112	RLL - 400 - 16
400	M18	21	28	33.2	49	25	25	45	112	RLL - 400 - 18
400	NA*		28	33.2	49	25	25	45	112	RLL - 400 - BL
500	M14	14.7	30	36	53	27	27	50	121	RLL - 500 - 14
500	M16	17	30	36	53	27	27	50	121	RLL - 500 - 16
500	M20	21	30	36	53	27	27	50	121	RLL - 500 - 20
500	NA*		30	36	53	27	27	50	121	RLL - 500 - BL
630	M14	14.7	35	41.5	61	25	25	70	144	RLL - 630 - 14
630	M16	17	35	41.5	61	25	25	70	144	RLL - 630 - 16
630	M20	21	35	41.5	61	25	25	70	144	RLL - 630 - 20
630	NA*		35	41.5	61	25	25	70	144	RLL - 630 - BL
800	NA*		39	46.3	67			78	170	RLL - 800 - BL

\* WITHOUT STUD HOLE



### FEATURES

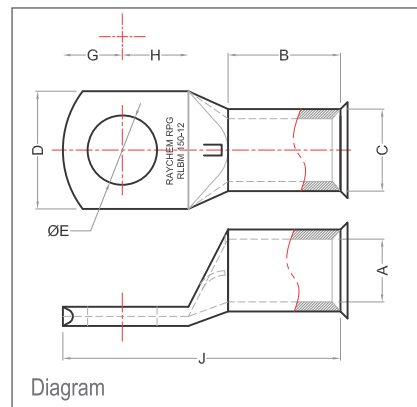
- Durable lugs for light duty application
- With inspection hole to ensure full cable insertion
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Annealed material optimizes material and crimping properties
- Flat contact surface and precise stud holes as per the Metric standard
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

# BELL MOUTH CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
		E	A	C	D	G	H	B	J	
10	M5	5.2	4.5	6.2	11	6	7	10	26	RLBM - 10 - 5
10	M6	6.5	4.5	6.2	11	6	7	10	26	RLBM - 10 - 6
10	M8	8.4	4.5	6.2	12	6	9	10	28	RLBM - 10 - 8
10	M10	10.5	4.5	6.8	15	8	11	11	33	RLBM - 10 - 10
10	M12	13	4.5	6.8	18	9	11	11	36	RLBM - 10 - 12
16	M5	5.2	5.4	7.1	12	7	7	12	30	RLBM - 16 - 5
16	M6	6.5	5.4	7.1	12	7	7	12	30	RLBM - 16 - 6
16	M8	8.4	5.4	7.1	12	7	7	12	30	RLBM - 16 - 8
16	M10	10.5	5.5	7.6	15	8	12	12	36	RLBM - 16 - 10
16	M13	13	5.5	7.6	17	11	13	12	39	RLBM - 16 - 13
16	M16	17	5.5	7.6	21	13	14	12	44	RLBM - 16 - 16
25	M6	6.5	8.8	8.8	13	7	7	12	30	RLBM - 25 - 6
25	M8	8.4	6.8	8.8	13	7	7	12	30	RLBM - 25 - 8
25	M10	10.5	6.8	8.8	15	10	11	13	38	RLBM - 25 - 10
25	M12	13	6.8	9.2	17	10	12	15	41	RLBM - 25 - 12
25	M16	17	6.8	9.2	21	13	14	15	47	RLBM - 25 - 16
35	M6	6.5	8.2	10.6	15.3	9	9	13.5	37	RLBM - 35 - 6
35	M8	8.4	8.2	10.6	15.3	9	9	13.5	37	RLBM - 35 - 8
35	M10	10.5	8.2	10.6	15.3	9	9	13.5	37	RLBM - 35 - 10
35	M12	13	8.2	10.6	15.3	10	12	13.5	41	RLBM - 35 - 12
35	M16	17	8.2	10.6	22	13	14	15	47	RLBM - 35 - 16
50	M6	6.5	9.5	12.4	17.8	9	10	17	42	RLBM - 50 - 6
50	M8	8.4	9.5	12.4	17.8	9	10	17	42	RLBM - 50 - 8
50	M10	10.5	9.5	12.4	17.8	9	10	17	42	RLBM - 50 - 10
50	M13	13	9.5	12.4	20	10	12	17	45	RLBM - 50 - 13
50	M14	14.5	9.5	12.4	22	15	15	18	54	RLBM - 50 - 14
50	M16	17	9.5	12.4	22	15	15	18	54	RLBM - 50 - 16
50	M20	21	9.5	12.4	26	16	18	18	60	RLBM - 50 - 20
70	M8	8.4	11.3	14.6	21	11	11	18.5	47	RLBM - 70 - 8
70	M10	10.5	11.3	14.6	21	11	11	18.5	47	RLBM - 70 - 10
70	M12	13	11.3	14.6	21	11	11	18.5	47	RLBM - 70 - 12
70	M14	14.5	11.3	14.6	22	14	15	18.5	55	RLBM - 70 - 14
70	M16	17	11.3	14.6	26	14	16	18.5	56	RLBM - 70 - 16
70	M20	21	11.3	14.6	28	16	18	18.5	63	RLBM - 70 - 20
95	M8	8.4	13.5	17.4	25	12	13	21	53	RLBM - 95 - 8
95	M10	10.5	13.5	17.4	25	12	13	21	53	RLBM - 95 - 10
95	M12	13	13.5	17.4	25	12	13	21	53	RLBM - 95 - 12
95	M14	14.5	13.5	17.4	25	14	15	22	55	RLBM - 95 - 14
95	M16	17	13.5	17.4	25	14	16	22	56	RLBM - 95 - 16
95	M20	21	13.5	17.4	28	15	16	22	63	RLBM - 95 - 20
120	M8	8.4	15	19.4	28	13	14	23	60	RLBM - 120 - 8
120	M10	10.5	15	19.4	28	13	14	23	60	RLBM - 120 - 10
120	M12	13	15	19.4	28	13	14	23	60	RLBM - 120 - 12
120	M14	14.5	15	19.4	28	13	14	23	60	RLBM - 120 - 14
120	M16	17	15	19.4	28	16	16	23	64	RLBM - 120 - 16
120	M20	21	15	19.4	28	16	20	23	68	RLBM - 120 - 20



Bell Mouth Lug



Diagram

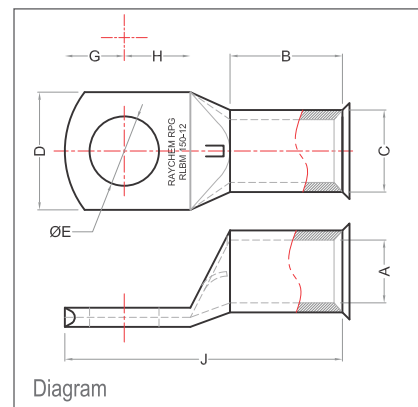
## FEATURES

- Bell Mouth Structure provides easy insertion for stranded copper cables
- With inspection hole to ensure full cable insertion
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Annealed material optimizes material and crimping properties
- Flat contact surface and precise stud holes as per the Metric standard
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

Continued.....

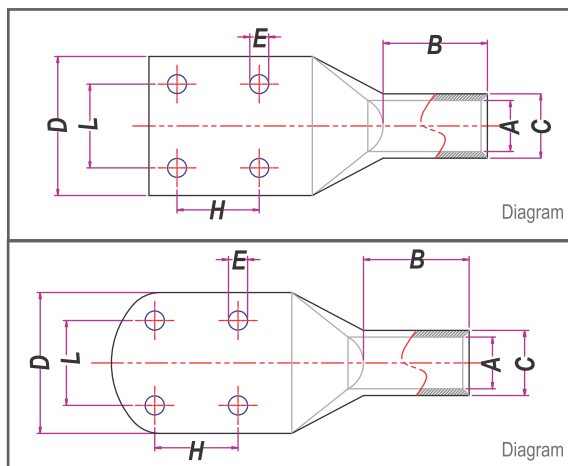
## BELL MOUTH CABLE LUGS Continued.....

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
		E	A	C	D	G	H	B	J	
150	M8	8.4	16.5	21.2	30	16	16	27	70	RLBM - 150 - 8
150	M10	10.5	16.5	21.2	30	16	16	27	70	RLBM - 150 - 10
150	M12	13	16.5	21.2	30	16	16	27	70	RLBM - 150 - 12
150	M14	14.7	16.5	21.2	30	16	16	27	70	RLBM - 150 - 14
150	M16	17	16.5	21.2	30	16	16	27	70	RLBM - 150 - 16
150	M20	21	16.5	21.2	30	16	16	27	73	RLBM - 150 - 20
185	M10	10.5	18.5	23.5	34	17	19	32	80	RLBM - 185 - 10
185	M12	13	18.5	23.5	34	17	19	32	80	RLBM - 185 - 12
185	M14	14.7	18.5	23.5	34	17	19	32	80	RLBM - 185 - 14
185	M16	17	18.5	23.5	34	17	19	32	80	RLBM - 185 - 16
185	M20	21	18.5	23.5	34	17	19	32	80	RLBM - 185 - 20
240	M10	10.5	21	26.5	38	20	21	39	94	RLBM - 240 - 10
240	M12	13	21	26.5	38	20	21	39	94	RLBM - 240 - 12
240	M14	14.5	21	26.5	38	20	21	39	94	RLBM - 240 - 14
240	M16	17	21	26.5	38	20	21	39	94	RLBM - 240 - 16
240	M20	21	21	26.5	38	20	21	39	94	RLBM - 240 - 20



## FOUR HOLE TRANSFORMER CABLE LUGS

Cable mm <sup>2</sup>	Dimensions in mm								Product code
	Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Barrel Length	Total Length	
	E	A	C	D	L	H	B	J	
400	10.5	28.5	36.5	52.5	25.0	35.0	44.0	114.0	RLT 400 4E 10
400	13.0	28.5	36.5	52.5	25.0	35.0	44.0	114.0	RLT 400 4E 12
400	14.5	28.5	36.5	52.5	25.0	35.0	44.0	114.0	RLT 400 4E 14
400	17.0	28.5	36.5	52.5	25.0	35.0	44.0	114.0	RLT 400 4E 16
400	21.0	28.5	36.5	52.5	25.0	35.0	44.0	114.0	RLT 400 4E 20
500	14.5	30.0	39.0	56.0	25.0	35.0	48.0	124.0	RLT 500 4E 14
500	17.0	30.0	39.0	56.0	25.0	35.0	48.0	124.0	RLT 500 4E 16
500	21.0	30.0	39.0	56.0	25.0	35.0	48.0	124.0	RLT 500 4E 20
630	17.0	35.0	45.0	65.0	25.0	35.0	56.0	144.0	RLT 630 4E 16
630	21.0	35.0	45.0	65.0	25.0	35.0	56.0	144.0	RLT 630 4E 20
800	21.0	39.0	50.6	72.0	25.0	35.0	78.0	170.0	RLT 800 4E-20



### FEATURES

- Heavy Duty lugs for transformer application
- Facilitates good heat dissipation
- With inspection hole to ensure full cable insertion
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Annealed material optimizes material and crimping properties
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

## NARROW PALM CABLE LUGS

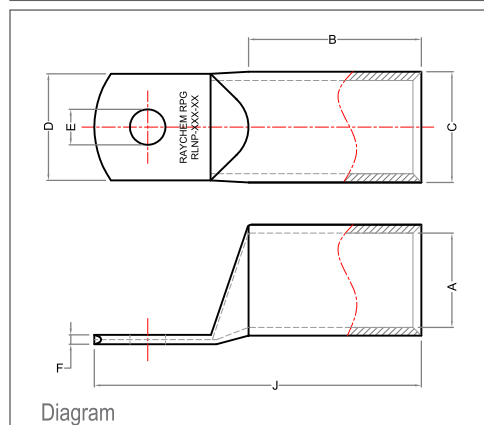
### FEATURES

- Specifically developed for application on circuit breakers with reduced space terminal blocks
- Ensures immediate and easy installation of wires
- With inspection hole to ensure full cable insertion
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Annealed material optimizes material and crimping properties
- Chamfered mouth for easy cable insertion

Cable mm <sup>2</sup>	Stud Hole E	Dimensions in mm						Product code
		A	C	D	F	B	J	
35	6.5	8.20	10.6	15	3	21	41	RLNP 35-6
50	6.5	9.50	12.4	15	3.2	22	43	RLNP 50-6
50	10.5	9.50	12.4	19	3.2	22	49	RLNP 50-10
70	6.5	11.30	14.6	17	3.3	24	45	RLNP 70-6
70	10.5	11.30	14.6	19	3.3	24	51	RLNP 70-10
95	8.4	13.50	17.4	19	3.9	27	51	RLNP 95-8
95	10.5	13.50	17.4	19	3.9	27	55	RLNP 95-10
120	8.4	15.00	19.4	19	5	30	61	RLNP 120-8
120	10.5	15.00	19.4	19	5	30	61	RLNP 120-10
150	8.4	16.50	21.2	19	5.5	30	66	RLNP 150-8
150	10.5	16.50	21.2	19	5.5	30	66	RLNP 150-10
185	10.5	18.50	23.5	31	5.7	38	82	RLNP 185-10
240	10.5	21.00	26.5	31	7.1	38	82	RLNP 240-10
300	10.5	23.50	30.0	31	7.8	42	87	RLNP 300-10



Narrow Palm Lug



Diagram

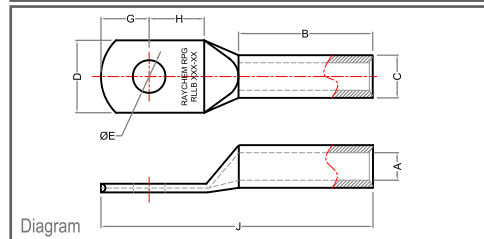
## LONG BARREL CABLE LUGS

Size (Sq mm)	Stud Hole	Dimensions							Product code
		A	C	D	G	H	B	J	
16	8.4	5.40	7.60	12.00	7.00	7.00	15.00	35.00	RLLB-16-8
16	10.5	5.40	7.60	12.00	7.00	7.00	15.00	35.00	RLLB-16-10
25	8.4	6.80	8.80	17.00	8.00	12.00	16.00	41.00	RLLB-25-8
25	10.5	6.80	8.80	17.00	8.00	12.00	16.00	41.00	RLLB-25-10
25	13.0	6.80	8.80	17.00	8.00	12.00	16.00	41.00	RLLB-25-12
35	8.4	8.20	10.60	18.00	9.00	14.00	20.00	48.00	RLLB-35-8
35	10.5	8.20	10.60	18.00	9.00	14.00	20.00	48.00	RLLB-35-10
35	13.0	8.20	10.60	18.00	9.00	14.00	20.00	48.00	RLLB-35-12
50	8.4	9.50	12.40	17.00	10.00	16.00	26.00	59.00	RLLB-50-8
50	10.5	9.50	12.40	17.00	10.00	16.00	26.00	59.00	RLLB-50-10
50	13.0	9.50	12.40	17.00	10.00	16.00	26.00	59.00	RLLB-50-12
50	14.5	9.50	12.40	17.00	10.00	16.00	26.00	59.00	RLLB-50-14
70	8.4	11.30	14.60	20.00	12.00	19.00	28.00	66.00	RLLB-70-8
70	10.5	11.30	14.60	20.00	12.00	19.00	28.00	66.00	RLLB-70-10
70	13.0	11.30	14.60	20.00	12.00	19.00	28.00	66.00	RLLB-70-12
70	14.5	11.30	14.60	20.00	12.00	19.00	28.00	66.00	RLLB-70-14
95	8.4	13.50	17.40	24.00	12.00	20.00	32.00	74.00	RLLB-95-8
95	10.5	13.50	17.40	24.00	12.00	20.00	32.00	74.00	RLLB-95-10
95	13.0	13.50	17.40	24.00	12.00	20.00	32.00	74.00	RLLB-95-12
95	14.5	13.50	17.40	24.00	12.00	20.00	32.00	74.00	RLLB-95-14

Continued.....



Long Barrel Lug



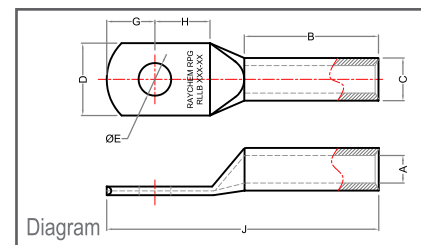
Diagram

### FEATURES

- Longer length barrel permits extra crimps for additional assurance on heavy duty loads.
- Seamless, one piece, copper construction with tin plating assures maximum conductivity.
- Generous entrance chamfer provides easy cable insertion.
- Can be available with /without inspection window.

## LONG BARREL CABLE LUGS Continued....

Size (Sq mm)	Dimensions								Product code
	Stud Hole	A	C	D	G	H	B	J	
120	8.4	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-8
120	10.5	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-10
120	13.0	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-12
120	14.5	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-14
120	17.0	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-16
120	21.0	15.00	19.40	28.00	14.00	23.00	35.00	82.00	RLLB-120-20
150	10.5	16.50	21.20	30.00	14.00	24.00	38.00	86.00	RLLB-150-10
150	13.0	16.50	21.20	30.00	14.00	24.00	38.00	86.00	RLLB-150-12
150	14.5	16.50	21.20	30.00	14.00	24.00	38.00	86.00	RLLB-150-14
150	17.0	16.50	21.20	30.00	14.00	24.00	38.00	86.00	RLLB-150-16
150	21.0	16.50	21.20	30.00	14.00	24.00	38.00	86.00	RLLB-150-20
185	10.5	18.50	23.50	34.00	17.00	23.00	43.00	95.00	RLLB-185-10
185	13.0	18.50	23.50	34.00	17.00	23.00	43.00	95.00	RLLB-185-12
185	14.5	18.50	23.50	34.00	17.00	23.00	43.00	95.00	RLLB-185-14
185	17.0	18.50	23.50	34.00	17.00	23.00	43.00	95.00	RLLB-185-16
185	21.0	18.50	23.50	34.00	17.00	23.00	43.00	95.00	RLLB-185-20
240	10.5	21.00	26.50	40.00	20.00	30.00	50.00	112.00	RLLB-240-10
240	13.0	21.00	26.50	40.00	20.00	30.00	50.00	112.00	RLLB-240-12
240	14.5	21.00	26.50	40.00	20.00	30.00	50.00	112.00	RLLB-240-14
240	17.0	21.00	26.50	40.00	20.00	30.00	50.00	112.00	RLLB-240-16
240	21.0	21.00	26.50	40.00	20.00	30.00	50.00	112.00	RLLB-240-20
300	10.5	23.50	30.00	43.00	20.00	32.00	54.00	120.00	RLLB-300-10
300	13.0	23.50	30.00	43.00	20.00	32.00	54.00	120.00	RLLB-300-12
300	14.5	23.50	30.00	43.00	20.00	32.00	54.00	120.00	RLLB-300-14
300	17.0	23.50	30.00	43.00	20.00	32.00	54.00	120.00	RLLB-300-16
300	21.0	23.50	30.00	43.00	20.00	32.00	54.00	120.00	RLLB-300-20
400	10.5	28.50	36.50	50.00	22.00	34.00	62.00	134.00	RLLB-400-10
400	13.0	28.50	36.50	50.00	22.00	34.00	62.00	134.00	RLLB-400-12
400	14.5	28.50	36.50	50.00	22.00	34.00	62.00	134.00	RLLB-400-14
400	17.0	28.50	36.50	50.00	22.00	34.00	62.00	134.00	RLLB-400-16
400	21.0	28.50	36.50	50.00	22.00	34.00	62.00	134.00	RLLB-400-20
500	13.0	30.00	39.00	56.00	28.00	28.00	69.00	145.00	RLLB-500-12
500	14.5	30.00	39.00	56.00	28.00	28.00	69.00	145.00	RLLB-500-14
500	17.0	30.00	39.00	56.00	28.00	28.00	69.00	145.00	RLLB-500-16
500	21.0	30.00	39.00	56.00	28.00	28.00	69.00	145.00	RLLB-500-20
630	13.0	35.00	45.00	63.80	33.00	33.00	78.00	158.00	RLLB-630-12
630	14.5	35.00	45.00	63.80	33.00	33.00	78.00	158.00	RLLB-630-14
630	17.0	35.00	45.00	63.80	33.00	33.00	78.00	158.00	RLLB-630-16
630	21.0	35.00	45.00	63.80	33.00	33.00	78.00	158.00	RLLB-630-20



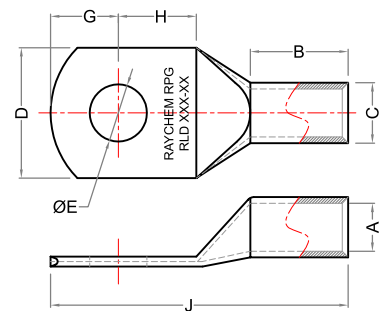
# DIN 46235 CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Palm Width	Barrel ID	Barrel Length	Barrel OD	Stud Center Distance	Stud Center	Total Length	
		E	D	A	B	C	G	H	J	
6	M5	5.3	8.5	3.8	10	5.5	6.5	7.5	30.5	RLD - 6 - 5
10	M6	6.5	8.5	4.5	10	6	7	8.5	34.5	RLD - 10 - 6
16	M6	6.5	12	5.5	20	8.5	7.5	8	42.5	RLD - 16 - 6
16	M8	8.4	12	5.5	20	8.5	10	10	45	RLD - 16 - 8
16	M10	10.5	17	5.5	20	8.5	12	12	49	RLD - 16 - 10
16	M12	13	19	5.5	20	8.5	13	13	50	RLD - 16 - 12
25	M6	6.5	15	7	20	10	7.5	8	46.5	RLD - 25 - 6
25	M8	8.4	15	7	20	10	10	10	49	RLD - 25 - 8
25	M10	10.5	17	7	20	10	12	12	51	RLD - 25 - 10
25	M12	13	19	7	20	10	13	13	52	RLD - 25 - 12
35	M8	8.4	17	8.2	20	12.5	7.5	8	49.5	RLD - 35 - 8
35	M10	10.5	19	8.2	20	12.5	10	10	52	RLD - 35 - 10
35	M12	13	21	8.2	20	12.5	12	12	54	RLD - 35 - 12
50	M8	8.4	22	10	28	14.5	10	10	61	RLD - 50 - 8
50	M10	10.5	22	10	28	14.5	12	12	63	RLD - 50 - 10
50	M12	13	23	10	28	14.5	13	13	64	RLD - 50 - 12
50	M16	17	28	10	28	14.5	14.5	14.5	65.5	RLD - 50 - 16
70	M10	10.5	24	11.5	28	16.5	10	10	64	RLD - 70 - 10
70	M12	13	24	11.5	28	16.5	12	12	66	RLD - 70 - 12
70	M16	17	32	11.5	28	16.5	13	13	67	RLD - 70 - 16
70	M20	21	32	11.5	28	16.5	14.5	14.5	68.5	RLD - 70 - 20
95	M10	10.5	28	13.5	35	19	12	12	76	RLD - 95 - 10
95	M12	13	28	13.5	35	19	12	12	76	RLD - 95 - 12
95	M16	17	32	13.5	35	19	13	13	80	RLD - 95 - 16
95	M20	21	34	13.5	35	19	14.5	14.5	81.5	RLD - 95 - 20
120	M10	10.5	32	15.5	35	21	15	16	83	RLD - 120 - 10
120	M12	13	32	15.5	35	21	16	17	84	RLD - 120 - 12
120	M16	17	32	15.5	35	21	18	19	87	RLD - 120 - 16
120	M20	21	38	15.5	35	21	19	20	88	RLD - 120 - 20
150	M10	10.5	34	17	35	23.5	15	16	92	RLD - 150 - 10
150	M12	13	34	17	35	23.5	16	17	93	RLD - 150 - 12
150	M16	17	34	17	35	23.5	19	20	96	RLD - 150 - 16
150	M20	21	40	17	35	23.5	19	20	96	RLD - 150 - 20
185	M10	10.5	37	19	40	25.5	15	16	96	RLD - 185 - 10
185	M12	13	37	19	40	25.5	16	17	97	RLD - 185 - 12
185	M16	17	37	19	40	25.5	19	20	100	RLD - 185 - 16
185	M20	21	40	19	40	25.5	19	20	100	RLD - 185 - 20
240	M10	10.5	42	21.5	40	29	16	17	107	RLD - 240 - 10
240	M12	13	42	21.5	40	29	19	20	110	RLD - 240 - 12
240	M16	17	42	21.5	40	29	19	20	110	RLD - 240 - 16
240	M20	21	46	21.5	40	29	21	22	112	RLD - 240 - 20
300	M12	13	48	24	50	32	19	22	119	RLD - 300 - 12
300	M16	17	48	24	50	32	19	22	119	RLD - 300 - 16
300	M20	21	48	24	50	32	22	22	122	RLD - 300 - 20
400	M16	17	55	27.5	70	38.5	25	25	140	RLD - 400 - 16
400	M20	21	55	27.5	70	38.5	25	25	140	RLD - 400 - 20
500	M20	21	60	31	70	42	25	25	152	RLD - 500 - 20
630	M20	21	60	34.5	80	44	25	25	160	RLD - 630 - 20
800	M20	21	70	40	100	52	30	30	195	RLD - 800 - 20
1000	M20	21	80	44	100	58	30	30	195	RLD - 1000 - 20



Crimp Type Lug (DIN 46235)

Diagram



## FEATURES

- Lugs as per DIN46235 Standard
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Enclosed barrel prevent corrosion material from entering barrel when used in harsh environment

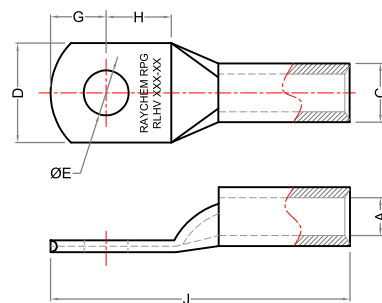


## SINGLE HOLE HIGH VOLTAGE CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm							Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Stud Center Distance	Stud Center	Total Length	
		E	A	C	D	G	H	J	
25	M8	8	6.8	10	14	8	9	65	RLHV - 25 - 8
25	M10	10	6.8	10	18	11	13	72	RLHV - 25 - 10
25	M12	12	6.8	10	21	14	16	78	RLHV - 25 - 12
35	M12	12	8.2	12.5	21	14	16	79	RLHV - 35 - 12
35	M16	16	8.2	12.5	26	17	19	85	RLHV - 35 - 16
50	M12	12	9.5	14.5	21	14	16	79	RLHV - 50 - 12
50	M16	16	9.5	14.5	26	17	19	85	RLHV - 50 - 16
70	M12	12	11	16	28	14	16	81	RLHV - 70 - 12
70	M16	16	11	16	30	17	19	87	RLHV - 70 - 16
95	M12	12	13.5	19	28	14	16	91	RLHV - 95 - 12
95	M14	14	13.5	19	29	16	18	95	RLHV - 95 - 14
95	M16	16	13.5	19	30	17	20	97	RLHV - 95 - 16
120	M12	12	15	20.5	31	14	16	97	RLHV - 120 - 12
120	M14	14	15	20.5	31	16	18	101	RLHV - 120 - 14
150	M12	12	16.5	23	32	14	16	97	RLHV - 150 - 12
150	M14	14	16.5	23	32	16	18	101	RLHV - 150 - 14
185	M14	14	17	23.5	32.5	16	18	101	RLHV - 185 - 14
240	M14	14	19.2	25.5	44	16	18	105	RLHV - 240 - 14
300	M14	14	23.5	32	43	16	18	105	RLHV - 300 - 14
400	M14	14	27	38	51	19	22	140	RLHV - 400 - 14
400	M16	16	27	38	51	19	22	140	RLHV - 400 - 16
400	M20	20	27	38	51.0	23	24	146	RLHV - 400 - 20
500	M16	16	30.3	41	56.5	19	22	147	RLHV - 500 - 16
500	M20	20	30.3	41	56.5	23	24	153	RLHV - 500 - 20
630	M16	16	33.4	43	61.5	19	22	159	RLHV - 630 - 16
630	M20	20	33.4	43	61.5	23	24	165	RLHV - 630 - 20



Lug-33kV application



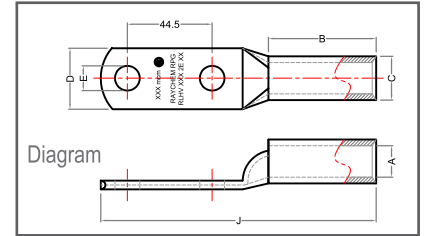
Diagram

### FEATURES

- HV lugs are specially designed to withstand high voltage applications upto 33 KV.
- Manufactured from high quality copper tube, annealed and tin plated
- With inspection hole to ensure full cable insertion
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

# TWO HOLES HIGH VOLTAGE CABLE LUGS

Size (Sq mm)	Dimensions									PRODUCT CODE
	Stud Hole	A	C	D	G	H	Center Distance N	B	J	
25	6.5	6.80	10.00	14.00	15.00	17.00	44.50	37.00	123.00	RLHV 25 2E-6
25	8.4	6.80	10.00	14.00	15.00	17.00	44.50	37.00	123.00	RLHV 25 2E-8
25	10.5	6.80	10.00	16.00	15.00	17.00	44.50	37.00	123.00	RLHV 25 2E-10
25	13.0	6.80	10.00	16.00	15.00	17.00	44.50	37.00	123.00	RLHV 25 2E-12
35	6.5	8.20	12.50	19.50	15.00	17.00	44.50	37.00	124.00	RLHV 35 2E-6
35	8.4	8.20	12.50	19.50	15.00	17.00	44.50	37.00	124.00	RLHV 35 2E-8
35	10.5	8.20	12.50	19.50	15.00	17.00	44.50	37.00	124.00	RLHV 35 2E-10
35	13.0	8.20	12.50	19.50	15.00	17.00	44.50	37.00	124.00	RLHV 35 2E-12
50	6.8	10.00	15.00	20.00	14.00	16.00	44.50	39.50	124.00	RLHV 50 2E-6
50	8.4	10.00	15.00	20.00	14.00	16.00	44.50	39.50	124.00	RLHV 50 2E-8
50	10.5	10.00	15.00	20.00	14.00	16.00	44.50	39.50	124.00	RLHV 50 2E-10
50	13.0	9.50	14.50	20.00	14.00	16.00	44.50	39.50	124.00	RLHV 50 2E-12
70	6.5	11.00	16.00	23.00	14.00	16.00	44.50	42.00	126.00	RLHV 70 2E 6
70	8.4	11.00	16.00	23.00	14.00	16.00	44.50	42.00	126.00	RLHV 70 2E 8
70	10.5	11.00	16.00	23.00	14.00	16.00	44.50	42.00	126.00	RLHV 70 2E 10
70	13.0	11.00	16.00	23.00	14.00	16.00	44.50	42.00	126.00	RLHV 70 2E 12
95	8.4	13.50	19.00	27.00	16.00	18.00	44.50	46.00	138.50	RLHV 95 2E 8
95	10.5	13.50	19.00	27.00	16.00	18.00	44.50	46.00	138.50	RLHV 95 2E 10
95	13.0	13.50	19.00	27.00	16.00	18.00	44.50	46.00	138.50	RLHV 95 2E 12
95	14.5	13.50	19.00	27.00	16.00	18.00	44.50	46.00	138.50	RLHV 95 2E 14
120	8.4	15.00	20.50	29.00	16.00	18.00	44.50	52.00	144.50	RLHV 120 2E 8
120	10.5	15.00	20.50	29.00	16.00	18.00	44.50	52.00	144.50	RLHV 120 2E 10
120	13.0	15.00	20.50	29.00	16.00	18.00	44.50	52.00	144.50	RLHV 120 2E 12
120	14.5	15.00	20.50	29.00	16.00	18.00	44.50	52.00	144.50	RLHV 120 2E 14
150	8.4	16.50	23.00	32.00	14.00	16.00	44.50	56.50	144.50	RLHV 150 2E 8
150	10.5	16.50	23.00	32.00	14.00	16.00	44.50	56.50	144.50	RLHV 150 2E 10
150	13.0	16.50	23.00	32.00	14.00	16.00	44.50	56.50	144.50	RLHV 150 2E 12
150	14.5	16.50	23.00	32.00	14.00	16.00	44.50	56.50	144.50	RLHV 150 2E 14
150	17.0	16.50	23.00	32.00	14.00	16.00	44.50	56.50	144.50	RLHV 150 2E 16
185	8.4	18.50	24.00	32.70	16.00	18.00	44.50	65.00	156.00	RLHV 185 2E 8
185	10.5	18.50	24.00	32.70	16.00	18.00	44.50	65.00	156.00	RLHV 185 2E 10
185	13.0	18.50	24.00	32.70	16.00	18.00	44.50	65.00	156.00	RLHV 185 2E 12
185	14.5	18.50	24.00	32.70	16.00	18.00	44.50	65.00	156.00	RLHV 185 2E 14
185	17.0	18.50	24.00	32.70	16.00	18.00	44.50	65.00	156.00	RLHV 185 2E 16
240	8.4	21.00	26.50	36.00	16.00	20.00	44.50	65.00	160.00	RLHV 240 2E 8
240	10.5	21.00	26.50	36.00	16.00	20.00	44.50	65.00	160.00	RLHV 240 2E 10
240	13.0	21.00	26.50	36.00	16.00	20.00	44.50	65.00	160.00	RLHV 240 2E 12
240	14.5	21.00	26.50	36.00	16.00	20.00	44.50	65.00	160.00	RLHV 240 2E 14
240	17.0	21.00	26.50	36.00	16.00	20.00	44.50	65.00	160.00	RLHV 240 2E 16
300	8.4	23.50	32.00	45.00	17.00	19.00	44.50	79.50	175.00	RLHV 300 2E 8
300	10.5	23.50	32.00	45.00	17.00	19.00	44.50	79.50	175.00	RLHV 300 2E 10
300	13.0	23.50	32.00	45.00	17.00	19.00	44.50	79.50	175.00	RLHV 300 2E 12
300	14.5	23.50	32.00	45.00	17.00	19.00	44.50	79.50	175.00	RLHV 300 2E 14
300	17.0	23.50	32.00	45.00	17.00	19.00	44.50	79.50	175.00	RLHV 300 2E 16
400	10.5	27.00	38.00	53.00	17.00	19.00	44.50	81.00	182.50	RLHV 400 2E 10
400	13.0	27.00	38.00	53.00	17.00	19.00	44.50	81.00	182.50	RLHV 400 2E 12
400	14.5	27.00	38.00	53.00	17.00	19.00	44.50	81.00	182.50	RLHV 400 2E 14
400	17.0	27.00	38.00	53.00	17.00	19.00	44.50	81.00	182.50	RLHV 400 2E 16
400	21.0	27.00	38.00	53.00	17.00	19.00	44.50	81.00	182.50	RLHV 400 2E 20
500	14.5	30.30	41.00	57.00	20.00	20.00	44.50	85.50	194.50	RLHV 500 2E 14
500	17.0	30.30	41.00	57.00	20.00	20.00	44.50	85.50	194.50	RLHV 500 2E 16
500	21.0	30.30	41.00	57.00	20.00	20.00	44.50	85.50	194.50	RLHV 500 2E 20
630	14.5	33.40	43.00	61.00	20.00	20.00	44.50	95.50	206.50	RLHV 630 2E 14
630	17.0	33.40	43.00	61.00	20.00	20.00	44.50	95.50	206.50	RLHV 630 2E 16
630	21.0	33.40	43.00	61.00	20.00	20.00	44.50	95.50	206.50	RLHV 630 2E 20

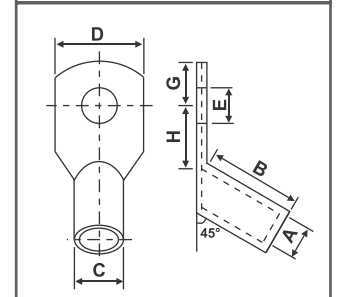


## FEATURES

- 2 Hole heavy duty lugs are best suited in application where two bolts are needed to avoid rotation or movement of the lugs.
- They are used for heavy duty industrial application requiring mechanical strength
- Tin plated copper lugs to improve electrical conductivity and avoid oxidation of copper
- Flat contact surface and precise stud holes as per the Metric standard
- Chamfered mouth for easy cable insertion
- Can be available with /without inspection window

## TUBULAR CABLE LUGS – 45° ANGLE

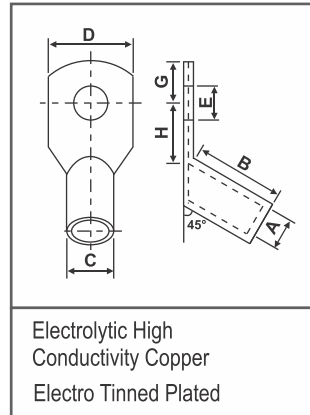
CABLE SIZE mm <sup>2</sup>	STUD Ø mm	DIMENSIONS mm							PRODUCT CODE
		A	B	D	E	C	G	H	
6	M4	3.8	9	9.5	4.2	5.5	4	7	RLAF - 6- 4
6	M5	3.8	9	9.5	5.2	5.5	4	7	RLAF - 6- 5
6	M6	3.8	9	10	6.2	5.5	5	9	RLAF - 6- 6
6	M8	3.8	9	12	8.4	5.5	7	11	RLAF - 6- 8
6	M10	3.8	9	16	10.5	5.5	10	13	RLAF - 6- 10
6	M12	3.8	9	18	13	6.5	12	17	RLAF - 6- 12
10	M5	4.5	10	12	5.2	6.2	6	10	RLAF - 10- 5
10	M6	4.5	10	12	6.5	6.2	6	10	RLAF - 10- 6
10	M8	4.5	10	12	8.4	6.2	7	12	RLAF - 10- 8
10	M10	4.7	10	16	10.5	7.1	10	13	RLAF - 10- 10
10	M12	4.7	10	18	13	7.1	12	18	RLAF - 10- 12
16	M5	5.4	13	12	5.2	7.1	7	10	RLAF - 16- 5
16	M6	5.4	13	12	6.5	7.1	7	10	RLAF - 16- 6
16	M8	5.4	13	12	8.4	7.1	7	12	RLAF - 16- 8
16	M10	5.5	13	16	10.5	7.9	10	13	RLAF - 16- 10
16	M12	5.5	13	18	13	7.9	12	18	RLAF - 16- 12
16	M14	5.5	13	21	15	7.9	14	20	RLAF - 16- 14
16	M16	5.5	13	26	17	7.9	16	21	RLAF - 16- 16
25	M5	6.8	14	13	5.2	8.8	7	10	RLAF - 25- 5
25	M6	6.8	14	13	6.5	8.8	7	10	RLAF - 25- 6
25	M8	6.8	14	13	8.4	8.8	7	12	RLAF - 25- 8
25	M10	6.8	14	16	10.5	8.8	10	13	RLAF - 25- 10
25	M12	6.8	14	18	13	8.8	12	18	RLAF - 25- 12
25	M14	7.1	14	21	15	9.5	12	18	RLAF - 25- 14
25	M16	7.1	14	26	17	9.5	16	21	RLAF - 25- 16
35	M6	8.2	16	15	6.5	10.6	9	12	RLAF - 35- 6
35	M8	8.2	16	15	8.4	10.6	9	12	RLAF - 35- 8
35	M10	8.2	16	18	10.5	10.6	10	13	RLAF - 35- 10
35	M12	8.2	16	21	13	10.6	12	18	RLAF - 35- 12
35	M14	8.4	16	21	15	11.5	14	20	RLAF - 35- 14
35	M16	8.4	16	26	17	11.5	16	21	RLAF - 35- 16
50	M6	9.5	18	18	6.5	12.4	10	13	RLAF - 50- 6
50	M8	9.5	18	18	8.4	12.4	10	13	RLAF - 50- 8
50	M10	9.5	18	18	10.5	12.4	10	13	RLAF - 50- 10
50	M12	9.5	18	23	13	12.4	12	18	RLAF - 50- 12
50	M 14	9.5	18	23	15	12.4	14	20	RLAF - 50- 14
50	M16	9.5	18	28	17	12.4	16	21	RLAF - 50- 16
50	M20	9.5	18	30	21	12.4	19	24	RLAF - 50- 20
70	M6	11.2	20	21	6.5	14.7	10	13	RLAF - 70- 6
70	M8		20	21	8.4		10	13	RLAF - 70- 8
70	M10		20	21	10.5		10	17	RLAF - 70- 10
70	M12		20	21	13		12	17	RLAF - 70- 12
70	M14	11.5	20	23	15	16.5	14	20	RLAF - 70- 14
70	M16	11.5	20	28	17	16.5	16	21	RLAF - 70- 16
70	M20	11.5	20	30	21	16.5	19	24	RLAF - 70- 20
95	M8	13.5	24	25	8.4	17.4	12	17	RLAF - 95- 8
95	M10		24	25	10.5	17.4	12	17	RLAF - 95- 10
95	M12		24	25	13	17.4	12	17	RLAF - 95- 12
95	M14	13.5	24	26	15	19	14	20	RLAF - 95- 14
95	M16	13.5	24	28	17	19	16	21	RLAF - 95- 16



Electrolytic High  
Conductivity Copper  
Electro Tinned Plated

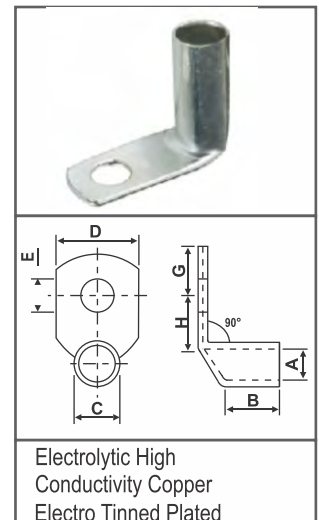
## TUBULAR CABLE LUGS – 45° ANGLE Continued.....

CABLE mm <sup>2</sup>	STUD ø mm	DIMENSIONS							PRODUCT CODE
		A	B	D	E	C	G	H	
95	M 20	13.5	24	36	21	19	20	27	RLAF 95-20
120	M 8	15	24	28	8.4	19.4	14	19	RLAF 120-8
120	M 10		24	28	10.5		14	19	RLAF 120-10
120	M 12		25	28	13		14	19	RLAF 120-12
120	M 14		25	28	15		16	21	RLAF 120-14
120	M 16		25	28	17		16	21	RLAF 120-16
120	M 20	15.5	25	36	21	21	20	27	RLAF 120-20
150	M 8	16.5	29	30	8.4	21.2	14	19	RLAF 150-8
150	M 10		29	30	10.5		14	19	RLAF 150-10
150	M 12		29	30	13		14	19	RLAF 150-12
150	M 14		29	30	15		14	19	RLAF 150-14
150	M 16		29	30	17		16	21	RLAF 150-16
150	M 20		29	36	21		20	27	RLAF 150-20
185	M 10	18.5	30	34	10.5	23.5	17	22	RLAF 185-10
185	M 12		30	34	13		17	22	RLAF 185-12
185	M 14		30	34	15		17	22	RLAF 185-14
185	M 16		30	34	17		17	22	RLAF 185-16
185	M 20		30	34	21		20	27	RLAF 185-20
240	M 10	21	35	38	10.5	26.5	20	25	RLAF 240-10
240	M 12		35	38	13		20	25	RLAF 240-12
240	M 14		35	38	15		20	25	RLAF 240-14
240	M 16		35	38	17		20	25	RLAF 240-16
240	M 20		35	38	21		20	27	RLAF 240-20
300	M 12	23.5	42	43	13	30	22	27	RLAF 300-12
300	M 14		42	43	15		22	27	RLAF 300-14
300	M 16		42	43	17		22	27	RLAF 300-16
300	M 20		42	43	21		22	27	RLAF 300-20
400	M 12		44	50	13	34.8	24	29	RLAF 400-12
400	M 14	26.8	44	50	15		24	29	RLAF 400-14
400	M 16		44	50	17		24	29	RLAF 400-16
400	M 20		44	50	21		24	29	RLAF 400-20
400	-		44	50	-		24	29	RLAF 400 B



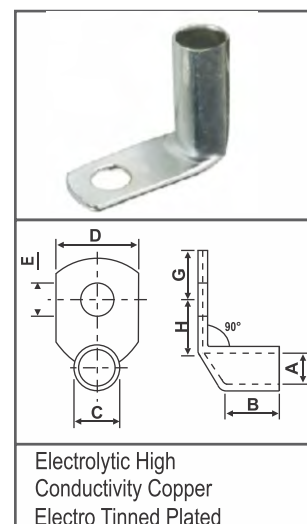
## TUBULAR CABLE LUGS – 90° ANGLE

CABLE mm <sup>2</sup>	STUD ø mm	DIMENSIONS							PRODUCT CODE
		A	B	D	E	C	G	H	
6	M 4	3.8	9	9.5	4.2	5.5	4	7	RLAN 6-4
6	M 5		9	9.5	5.2		4	7	RLAN 6-5
6	M 6		9	10	6.2		5	9	RLAN 6-6
6	M 8		9	12	8.4		7	11	RLAN 6-8
6	M 10	3.5	9	16	10.5	6.5	10	13	RLAN 6-10
6	M 12	3.5	9	18	13	6.5	12	17	RLAN 6-12
10	M 5	4.5	10	12	5.2	6.2	6	10	RLAN 10-5
10	M 6		10	12	6.5		6	10	RLAN 10-6
10	M 8		10	12	8.4		7	12	RLAN 10-8
10	M 10	4.7	10	16	10.5	7.1	10	13	RLAN 10-10
10	M 12	4.7	10	18	13	7.1	12	18	RLAN 10-12
16	M 5	5.4	13	12	5.2	7.1	7	10	RLAN 16-5
16	M 6		13	12	6.5	7.1	7	10	RLAN 16-6
16	M 8		13	12	8.4	7.1	7	12	RLAN 16-8



## TUBULAR CABLE LUGS – 90° ANGLE Continued.....

CABLE mm <sup>2</sup>	STUD ø mm	DIMENSIONS							PRODUCT CODE
		A	B	D	E	C	G	H	
16	M 10	5.5	13	16	10.5	7.7	10	13	RLAN 16-10
16	M 12	5.5	13	18	13	7.7	12	18	RLAN 16-12
16	M 14	5.5	13	21	15	7.7	14	20	RLAN 16-14
16	M 16	5.5	13	26	17	7.7	16	21	RLAN 16-16
25	M 5	6.8	14	13	5.2	8.8	7	10	RLAN 25-5
25	M 6	6.8	14	13	6.5	8.8	7	10	RLAN 25-6
25	M 8	6.8	14	13	8.4	8.8	7	12	RLAN 25-8
25	M 10	6.8	14	16	10.5	8.8	10	13	RLAN 25-10
25	M 12	6.8	14	18	13	9.5	12	18	RLAN 25-12
25	M 14	7.1	14	21	15	9.5	12	18	RLAN 25-14
25	M 16	7.1	14	26	17	9.5	16	21	RLAN 25-16
	M 6	8.2		15	6.5	10.6	9	12	RLAN 35-6
	M 8	8.2		15	8.4		9	12	RLAN 35-8
35	M 10	8.2	16	18	10.5		10	13	RLAN 35-10
35	M 12	8.2	16	21	13		12	18	RLAN 35-12
35	M 14	8.2	16	21	15		14	20	RLAN 35-14
35	M 16	8.4	16	26	17		16	21	RLAN 35-16
50	M 6	9.5	18	18	6.5	12.4	10	13	RLAN 50-6
50	M 8		18	18	8.4		10	13	RLAN 50-8
50	M 10		18	18	10.5		10	13	RLAN 50-10
50	M 12		18	23	13		12	18	RLAN 50-12
50	M 14		18	23	15		14	20	RLAN 50-14
50	M 16		18	28	17		16	21	RLAN 50-16
50	M 20		18	30	21		19	24	RLAN 50-20
70	M 6	11.2	20	21	6.5	14.7	10	13	RLAN 70-6
70	M 8		20	21	8.4		10	13	RLAN 70-8
70	M 10		20	21	10.5		10	17	RLAN 70-10
70	M 12		20	21	13		12	17	RLAN 70-12
70	M 14	11.2	20	23	15	14.7	14	20	RLAN 70-14
70	M 16	11.2	20	28	17	14.7	16	21	RLAN 70-16
70	M 20	11.2	20	30	21	14.7	19	24	RLAN 70-20
95	M 8	13.5	24	25	8.4	17.4	12	17	RLAN 95-8
95	M 10		24	25	10.5		12	17	RLAN 95-10
95	M 12		24	25	13		12	17	RLAN 95-12
95	M 14	13.5	24	26	15		14	20	RLAN 95-14
95	M 16	13.5	24	28	17		16	21	RLAN 95-16
95	M 20	13.5	24	36	21		20	27	RLAN 95-20
120	M 8	15	25	28	8.4	19.4	14	19	RLAN 120-8
120	M 10		25	28	10.5		14	19	RLAN 120-10
120	M 12		25	28	13		14	19	RLAN 120-12
120	M 14		25	28	15		16	21	RLAN 120-14
120	M 16		25	28	17		16	21	RLAN 120-16
120	M 20		25	36	21		20	27	RLAN 120-20
150	M 8	16.5	29	30	8.4	21.2	14	19	RLAN 150-8
150	M 10		29	30	10.5		14	19	RLAN 150-10
150	M 12		29	30	13		14	19	RLAN 150-12
150	M 14		29	30	15		14	19	RLAN 150-14
150	M 16		29	30	17		16	21	RLAN 150-16
150	M 20		29	36	21		20	27	RLAN 150-20



# AUSTRALIAN STANDARD CABLE LUGS

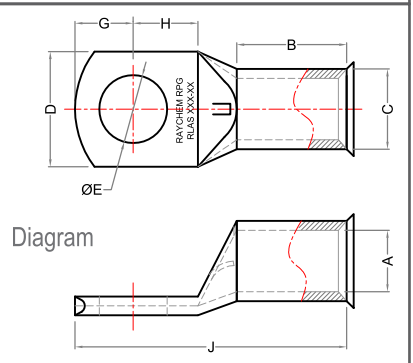
Cable mm <sup>2</sup>	Stud Hole E	Dimensions							Product Code
		A	C	F	B	G	H	J	
1.5	4.2	2	8	1	7.5	4	5	18.5	RLAS - 1.5 - 4
1.5	5.2	2	8	1	7.5	4	5	18.5	RLAS - 1.5 - 5
1.5	6.5	2	10	0.8	7.5	4	6	19.5	RLAS - 1.5 - 6
2.5	4.2	2.5	8	1	8	4	5	19	RLAS - 2.5 - 4
2.5	5.2	2.5	10	0.8	8	5	6	20	RLAS - 2.5 - 5
2.5	6.5	2.5	10	0.8	8	5	6	20	RLAS - 2.5 - 6
2.5	8.4	2.5	11	0.7	8	6	9	26	RLAS - 2.5 - 8
4	5.2	3.3	10	1	9	5	6	22	RLAS - 4 - 5
4	6.5	3.3	10	1	9	5	6	22	RLAS - 4 - 6
4	8.4	3.3	12	0.8	9	6	9	26	RLAS - 4 - 8
4	10.2	3.3	15	0.8	9	8	11	32	RLAS - 4 - 10
6	5.2	3.8	10	1.2	10	5	6	23	RLAS - 6 - 5
6	6.5	3.8	12	1	10	6	9	27	RLAS - 6 - 6
6	8.4	3.8	12	1	10	6	9	27	RLAS - 6 - 8
6	10.2	3.8	15	0.8	10	8	11	32	RLAS - 6 - 10
10	5.2	4.7	12	1.8	10	6	7	27	RLAS - 10 - 5
10	6.5	4.7	12	1.8	10	6	7	27	RLAS - 10 - 6
10	8.4	4.7	14	1.6	10	7	8	29	RLAS - 10 - 8
10	10.5	4.7	15	1.5	10	8	10	32	RLAS - 10 - 10
10	13	4.7	18	1	10	10	12	38	RLAS - 10 - 12
16	6.5	5.5	11	2.4	19	7	9	39	RLAS - 16 - 6
16	8.4	5.5	14	1.7	19	7	9	39	RLAS - 16 - 8
16	10.5	5.5	16	1.5	19	8	10	41	RLAS - 16 - 10
16	13	5.5	18	1.2	19	10	13	46	RLAS - 16 - 12
25	6.5	7.1	13.5	2.4	21	7	9	41	RLAS - 25 - 6
25	8.4	7.1	13.5	2.4	21	7	9	41	RLAS - 25 - 8
25	10.5	7.1	16	1.9	21	9	10	44	RLAS - 25 - 10
25	13	7.1	18	1.6	21	10	13	48	RLAS - 25 - 12
35	6.5	8.4	16	3	21	9	10	45	RLAS - 35 - 6
35	8.4	8.4	16	3	21	9	10	45	RLAS - 35 - 8
35	10.5	8.4	18	2.6	21	9	10	45	RLAS - 35 - 10
35	13	8.4	20	2.2	22	11	13	51	RLAS - 35 - 12
50	6.5	9.5	18	3.3	22	8	10	46	RLAS - 50 - 6
50	8.4	9.5	18	3.3	22	8	10	46	RLAS - 50 - 8
50	10.5	9.5	18	3.3	22	8	10	52	RLAS - 50 - 10
50	13	9.5	21	2.7	22	11	13	54	RLAS - 50 - 12
70	6.5	11.3	21	3.5	22	11	13	54	RLAS - 70 - 6
70	8.4	11.3	21	3.5	24	11	13	54	RLAS - 70 - 8
70	10.5	11.3	21	3.5	24	11	13	54	RLAS - 70 - 10
70	13	11.3	21	3.5	24	11	13	54	RLAS - 70 - 12
70	17	11.3	26	3	24	14	16	61	RLAS - 70 - 16

## FEATURES

- Lugs as per Australian Standard
- Inspection Window to visually assure full conductor insertion
- Flared entry prevents bent back strands when inserting fine strand conductor into barrel
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper



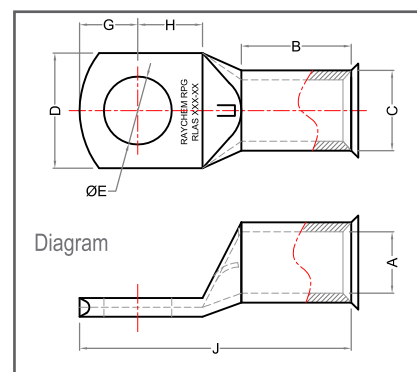
Lugs (Australian Standard)



Continued.....

## AUSTRALIAN STANDARD CABLE LUGS Continued....

Cable mm <sup>2</sup>	Stud Hole E	Dimensions							Product Code
		A	C	F	B	G	H	J	
95	8.4	13.5	25	4	27	12	14	60	RLAS - 95 - 8
95	10.5	13.5	25	4	27	12	14	60	RLAS - 95 - 10
95	13	13.5	25	4	27	12	14	60	RLAS - 95 - 12
95	17	13.5	25	3.5	27	14	16	61	RLAS - 95 - 16
120	8.4	15.6	30	5	30	12	14	64	RLAS - 120 - 8
120	10.5	15.6	30	5	30	12	14	64	RLAS - 120 - 10
120	13	15.6	30	5	30	12	14	64	RLAS - 120 - 12
120	17	15.6	30	5	30	16	16	72	RLAS - 120 - 16
150	10.5	16.7	32	5.8	30	16	16	71	RLAS - 150 - 10
150	13	16.7	32	5.8	30	18	18	75	RLAS - 150 - 12
150	17	16.7	32	5.8	30	18	18	75	RLAS - 150 - 16
185	18.4	18.5	36	5.8	32	16	16	74	RLAS - 185 - 10
185	13	18.5	36	5.8	32	18	18	79	RLAS - 185 - 12
185	17	18.4	36	5.8	32	18	18	79	RLAS - 185 - 16
240		21.2	41	7	38	21	21	92	RLAS - 240 - BL
240	10.5	21.2	41	7	38	21	21	92	RLAS - 240 - 10
240	13	21.2	41	7	38	21	21	92	RLAS - 240 - 12
240	17	21.2	41	7	38	21	21	92	RLAS - 240 - 16
300		23.8	46	7.8	42	23	23	101	RLAS - 300 - BL
300	13	23.8	46	7.8	42	23	23	101	RLAS - 300 - 12
300	17	23.8	46	7.8	42	23	23	101	RLAS - 300 - 16
400		26.8	50	8	44	24	24	107	RLAS - 400 - BL
500		30	56	9	50	27	27	119	RLAS - 500 - BL
630		34	64.4	11	58	32	32	139	RLAS - 630 - BL



## AUSTRALIAN STANDARD - CABLE CONNECTOR

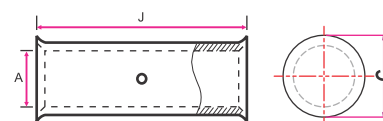
Cable mm <sup>2</sup>	Dimensions		Product Code
	A	J	
2.5	2.5	22.2	RCAS - 2.5
4	3.3	22.2	RCAS - 4
6	3.7	22.2	RCAS - 6
10	4.7	22.2	RCAS - 10
16	5.5	44.4	RCAS - 16
25	7.1	47.6	RCAS - 25
35	8.4	47.6	RCAS - 35
50	9.5	47.6	RCAS - 50
70	11	50.8	RCAS - 70
95	13.4	54	RCAS - 95
120	15.5	65.1	RCAS - 120
150	16.3	65.1	RCAS - 150
185	18.4	65.1	RCAS - 185
240	21.2	88.9	RCAS - 240
300	23.8	88.9	RCAS - 300
400	26.8	88.9	RCAS - 400
500	30	114.3	RCAS - 500
630	33.5	114.3	RCAS - 630

### FEATURES

- Connectors as per Australian Standard
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Internal wire stop to prevent over insertion of conductor



Connector (Australian Standard)



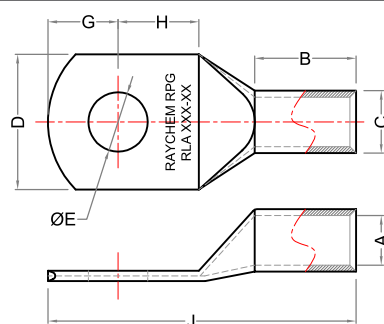
Diagram

## STANDARD ALUMINIUM CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm						Product code
		Stud Hole Size	Barrel ID	Palm Width	Stud Center Distance	Stud Center	Total Length	
		E	A	D	G	H	J	
16	M8	8	5.5	21	11	13	77	RLA - 16 - 8
25	M8	8	6.5	21	11	13	77	RLA - 25 - 8
35	M8	8	8.0	23	11	13	77.5	RLA - 35 - 8
35	M10	10	8.0	23	11	13	77.5	RLA - 35 - 10
50	M12	12	9	26	14	16	91	RLA - 50 - 12
50	M14	14	9	26	16	18	95	RLA - 50 - 14
70	M12	12	11	27	14	16	91	RLA - 70 - 12
70	M14	14	11	27	16	18	95	RLA - 70 - 14
95	M12	12	12.5	27	14	16	91	RLA - 95 - 12
95	M14	14	12.5	27	16	18	95	RLA - 95 - 14
120	M12	12	13.7	35	14	16	115	RLA - 120 - 12
120	M14	14	13.7	35	16	18	119	RLA - 120 - 14
150	M12	12	15.5	34	14	16	115	RLA - 150 - 12
150	M14	14	15.5	34	16	18	119	RLA - 150 - 14
185	M12	12	17	42	14	20	122	RLA - 185 - 12
185	M14	14	17.5	42	16	22	126	RLA - 185 - 14
240	M12	12	19.5	44	14	20	122	RLA - 240 - 12
240	M14	14	19.5	44	16	22	126	RLA - 240 - 14
300	M12	12	22.5	47	14	22	130	RLA - 300 - 12



Aluminium Lugs



Diagram

### FEATURES

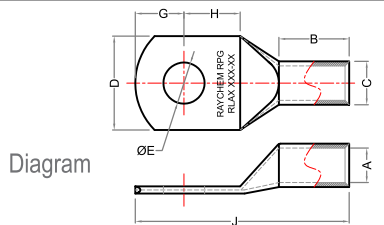
- With Significant lower dead weight  
Aluminum conductors popular choice in power distribution applications
- Aluminum lugs are made up of 99.5 % pure aluminum
- They are designed to accept a variety of conductor forms especially low stranded compacted conductors
- Chamfered mouth for easy cable insertion
- Lugs can be electro tinned for protection from oxidation

## ALUMINIUM LUGS FOR XLPE CABLES

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm						Product code
		Stud Hole Size	Barrel ID	Barrel OD	Palm Width	Barrel Length	Total Length	
		E	A	C	D	B	J	
25	M8	8	7.2	9.6	14	41	89	RLAX - 25
35	M8	8	8.3	11.1	16	50	79	RLAX - 35
50	M10	10	10.1	13.5	19.5	49	81	RLAX - 50
70	M10	10	10.2	14.5	20.5	62	98	RLAX - 70
95	M12	13	12	16.9	23.5	73	109	RLAX - 95
120	M12	13	13.7	19	26.5	73	114	RLAX - 120
150	M12	13	15.1	21.1	29.5	83	128	RLAX - 150
185	M12	13	16.6	23.9	33	83	131	RLAX - 185
225	M12	13	18.6	26.1	36	36	140	RLAX - 225
240	M12	13	19.3	27.2	37.5	86	144	RLAX - 240
300	M20	20	21.8	30.2	42	89	157	RLAX - 300
400	M20	20	25	34.8	48	113	187	RLAX - 400
500	M20	20	28.2	39.1	54	125	205	RLAX - 500
630	M20	20	31.7	44.4	61	140	225	RLAX - 625
800	M20	20	35.7	49.5	68	147	250	RLAX - 800
1000	M20	20	41	56	77.5	180	280	RLAX - 1000



Aluminium Lugs



Diagram

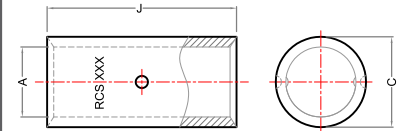
### FEATURES

- With Significant lower dead weight  
Aluminum conductors popular choice in power distribution applications
- Aluminum lugs are made up of 99.5 % pure aluminum
- They are designed to accept a variety of conductor forms especially low stranded compacted conductors
- With inspection hole to ensure full cable insertion
- Chamfered mouth for easy cable insertion



## SHORT BARREL CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	C	J	
1.5	1.8	3.7	12	RCS - 1.5
2.5	2.4	4	15	RCS - 2.5
4	3.1	4.8	15	RCS - 4
6	3.8	5.5	15	RCS - 6
10	4.5	6.2	20	RCS - 10
16	5.4	7.1	20	RCS - 16
25	6.8	8.8	32	RCS - 25
35	8.2	10.6	36	RCS - 35
50	9.5	12.4	40	RCS - 50
70	11.3	14.7	45	RCS - 70
95	13.5	17.4	45	RCS - 95
120	15	19.4	45	RCS - 120
150	16.5	21.2	55	RCS - 150
185	18.5	23.5	60	RCS - 185
240	21	26.5	80	RCS - 240
300	23.5	30	85	RCS - 300
400	28.5	36.5	85	RCS - 400
500	30	39	100	RCS - 500
550	31.7	41.5	110	RCS - 550
630	35	45	110	RCS - 630
800	39	50.6	150	RCS - 800
1000	43	56.2	170	RCS - 1000

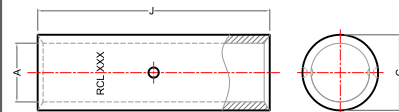


### FEATURES

- Connector Short Barrel for limited space applications
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Internal wire stops provided to prevent over insertion of conductor

## LONG BARREL CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	C	J	
1.5	1.8	3.7	22	RCL - 1.5
2.5	2.4	4	22	RCL - 2.5
4	3.1	4.8	22	RCL - 4
6	3.8	5.5	22	RCL - 6
10	4.5	6.2	22	RCL - 10
16	5.4	7.1	44	RCL - 16
25	6.8	8.8	47	RCL - 25
35	8.2	10.6	47	RCL - 35
50	9.5	12.4	47	RCL - 50
70	11.3	14.7	50	RCL - 70
95	13.5	17.4	54	RCL - 95
120	15	19.4	65	RCL - 120
150	16.5	21.2	65	RCL - 150
185	18.5	23.5	65	RCL - 185
240	21	26.5	89	RCL - 240
300	23.5	30	89	RCL - 300
400	28.5	36.5	90	RCL - 400
500	30	39	115	RCL - 500
550	31.7	41.5	115	RCL - 550
630	35	45	115	RCL - 630
800	39	50.6	230	RCL - 800
1000	43	56.2	230	RCL - 1000




### FEATURES

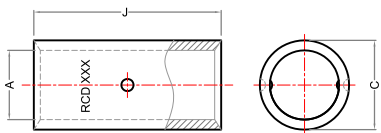
- Connector Long Barrel for better Pull Out Strength
- Internal wire stops provided to prevent over insertion of conductor
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper

## DIN 46235 CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	C	J	
25	7.0	10.0	60.0	RCD - 25
35	8.5	12.5	60.0	RCD - 35
50	10.0	14.5	65.0	RCD - 50
70	11.5	16.5	65.0	RCD - 70
95	13.5	19.0	90.0	RCD - 95
120	15.5	21.0	90.0	RCD - 120
150	17.0	23.5	105.0	RCD - 150
185	19.0	23.5	105.0	RCD - 185
240	21.5	29.0	125.0	RCD - 240
300	24.0	32.0	125.0	RCD - 300
400	27.5	38.5	160.0	RCD - 400
500	31.0	42.0	160.0	RCD - 500
630	34.5	44.0	180.0	RCD - 630
800	40.0	52.0	200.0	RCD - 600
1000	44.0	58.0	200.0	RCD - 1000



Connector (DIN 46235)




Diagram

**FEATURES**

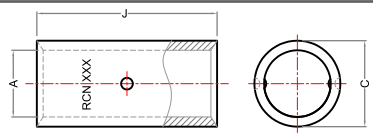
- Connectors as per DIN46235 Standard
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Internal wire stop to prevent over insertion of conductor

## UPTO 36kV CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	C	J	
25	6.8	8.8	40	RCN - 25
35	8.2	10.6	45	RCN - 35
50	9.5	12.4	50	RCN - 50
70	11.3	14.3	55	RCN - 70
95	13.5	17.5	60	RCN - 95
120	15	19.4	65	RCN - 120
150	16.5	21.2	70	RCN - 150
185	19	23.5	80	RCN - 185
240	21	26.5	90	RCN - 240
300	23.5	30	100	RCN - 300
400	27	36.5	110	RCN - 400
500	30	39	140	RCN - 500
630	35.5	45	160	RCN - 630
800	39	50.6	200	RCN - 800
1000	43	56.2	200	RCN - 1000



Connector 36kV




Diagram

**FEATURES**

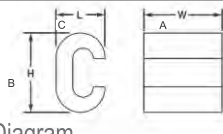
- Connectors as per DIN46235 Standard
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Internal wire stop to prevent over insertion of conductor

## C TYPE CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	B	C	
C6 - C6	9	9.8	6.4	RCC 6 - 6
C10 - C10	12	12.6	8.4	RCC 10 - 10
C16 - C16	17	19.4	12.0	RCC 16 - 16
C25 - C25	17	21.4	13.0	RCC 25 - 25
C35 - C35	21	26.6	15.6	RCC 35 - 35
C50 - C50	26	38.0	21.0	RCC 50 - 50
C70 - C70	28	34.0	21.0	RCC 70 - 70
C95 - C95	29	41.0	26.0	RCC 95 - 95
C120 - C120	30	45.0	28.0	RCC 120 - 120
C150 - C150	30	48.0	28.0	RCC 150 - 150
C185 - C185	32	52.0	32.0	RCC 185 - 185
C240 - C240	32	55.0	38.0	RCC 240 - 240



'C' TYPE CONNECTOR




Diagram

**FEATURES**

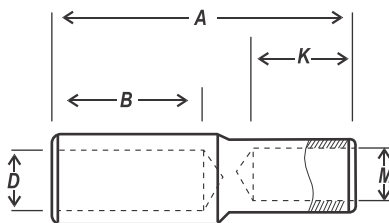
- For Use with Solid and Stranded Copper Code Conductors
- For tapping into unbroken continuous main, as a wire joint or two-way splice
- Wide wire range-taking capability minimizes inventory requirements
- Made from heavy wall, extruded, high conductivity copper; provides high strength and premium electrical properties

## REDUCING LINKS CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm					Product Code
	A	B	D	K	M	
6	30	10	4	10	3	RCRL - 6 - 4
10	30	10	4.5	10	4	RCRL - 10 - 6
16	40	19	5.5	10	4	RCRL - 16 - 6
25	40	21	7.5	10	4	RCRL - 25 - 6
25	40	21	7.5	10	4.5	RCRL - 25 - 10
25	50	21	7.5	19	5.5	RCRL - 25 - 16
35	40	21	8.5	10	4.5	RCRL - 35 - 10
35	55	21	8.5	19	5.5	RCRL - 35 - 16
35	60	21	8.5	21	7.5	RCRL - 35 - 25
50	45	22	9.5	10	4.5	RCRL - 50 - 10
50	55	22	9.5	21	7.5	RCRL - 50 - 25
50	60	22	9.5	21	8.5	RCRL - 50 - 35
70	60	24	11.5	19	5.5	RCRL - 70 - 16
70	65	24	11.5	21	8.5	RCRL - 70 - 35
95	65	24	11.5	22	9.5	RCRL - 70 - 50
95	65	27	13.5	21	7.5	RCRL - 95 - 25
95	70	27	13.5	22	9.6	RCRL - 95 - 50
95	70	27	13.5	24	11.5	RCRL - 95 - 70
120	70	30	15.5	21	8.5	RCRL - 120 - 35
120	75	30	15.5	24	11.5	RCRL - 120 - 70
120	75	30	15.5	27	13.5	RCRL - 120 - 95
150	70	30	16.5	22	9.5	RCRL - 150 - 50
150	75	30	16.5	24	11.5	RCRL - 150 - 70
150	80	30	16.5	30	15.5	RCRL - 150 - 120
185	75	32	18.5	24	11.5	RCRL - 185 - 70
185	80	32	18.5	27	13.5	RCRL - 185 - 95
185	85	32	18.5	30	15.5	RCRL - 185 - 120
240	85	38	21.5	27	13.5	RCRL - 240 - 95
240	90	38	21.5	30	16.5	RCRL - 240 - 150
240	95	38	21.5	32	18.5	RCRL - 240 - 185
300	95	42	23.5	30	15.5	RCRL - 300 - 120
300	100	42	23.5	32	18.5	RCRL - 300 - 185
300	105	42	23.5	38	21.5	RCRL - 300 - 240



Reducing Links




Diagram

**FEATURES**

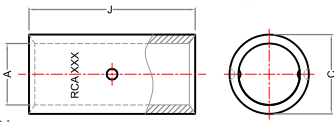
- Low profile design provides minimum space requirement
- Manufactured by seamless high conductivity copper tubing
- Inspection window in each barrel to visually assure full conductor insertion
- Tin Plated to inhibit corrosion
- Material - Electrolytic Copper
- Generous internally bevelled wire entry for easy conductor insertion

## ALUMINIUM THROUGH CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm			Product Code
	A	C	J	
16	5.5	16	90.5	RCA - 16
25	6.5	16	90.5	RCA - 25
35	8	16	90.5	RCA - 35
50	9	20	106.5	RCA - 50
70	11	20	106.5	RCA - 70
95	12.5	20	106.5	RCA - 95
120	13.7	25	133	RCA - 120
150	15.5	25	135	RCA - 150
185	17	32	143.5	RCA - 185
240	19.5	32	146	RCA - 240
300	22.5	34	144.5	RCA - 300



Connector



Diagram

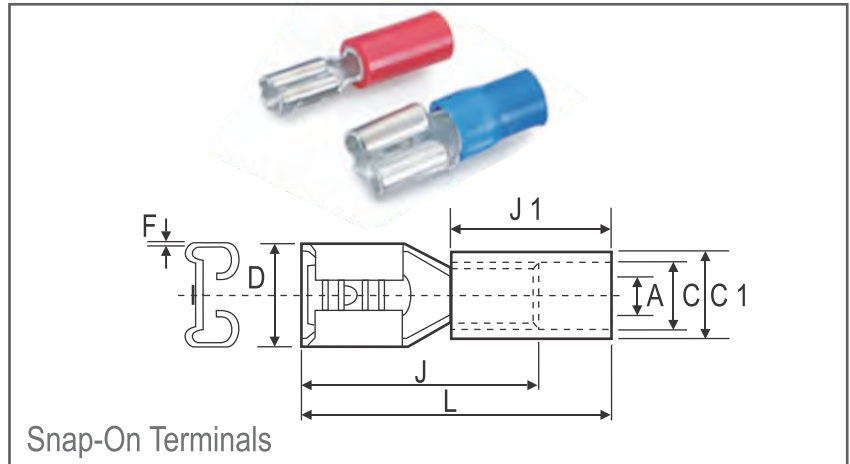
**FEATURES**

- Aluminum Conductor
- Tin Plated to inhibit corrosion
- Material-Aluminum Alloy
- Internal wire stop to prevent over insertion of conductor

# SNAP ON TERMINALS

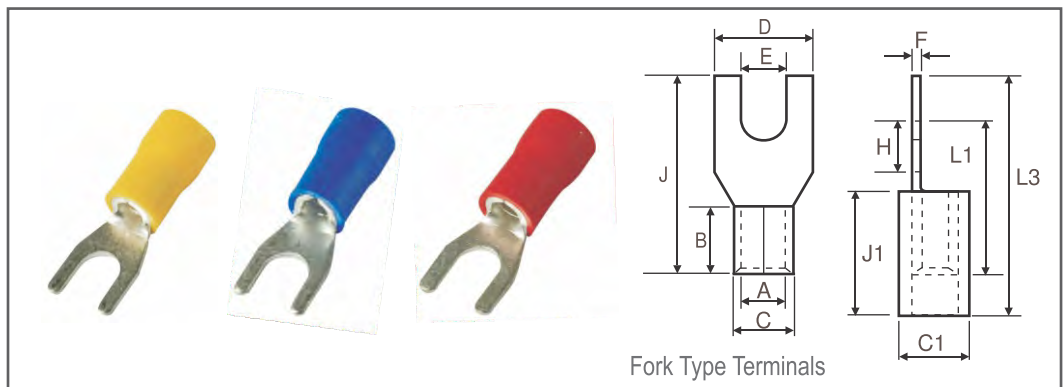
COLOUR CODING OF INSULATION SLEEVE 1.5 - RED, 2.5 - BLUE, 4 - 6 - YELLOW

Cable mm <sup>2</sup>	Dimensions in mm								Product Code
	D	J	A	C	F	J1	L	C1	
1.5	6.6	16	2.4	3.2	0.4	-	-	-	RLSP - 001
1.5	6.6	16	2.4	3.2	0.4	10	21	4.8	RLSP - 002
2.5	6.6	16	3.1	3.9	0.4	-	-	-	RLSP - 003
2.5	6.6	16	3.1	3.9	0.4	10	21	5.5	RLSP - 004
4-6	6.6	19	3.8	5.5	0.8	-	-	-	RLSP - 005
4-6	6.6	19	3.8	5.5	0.8	14	26	7.1	RLSP - 006



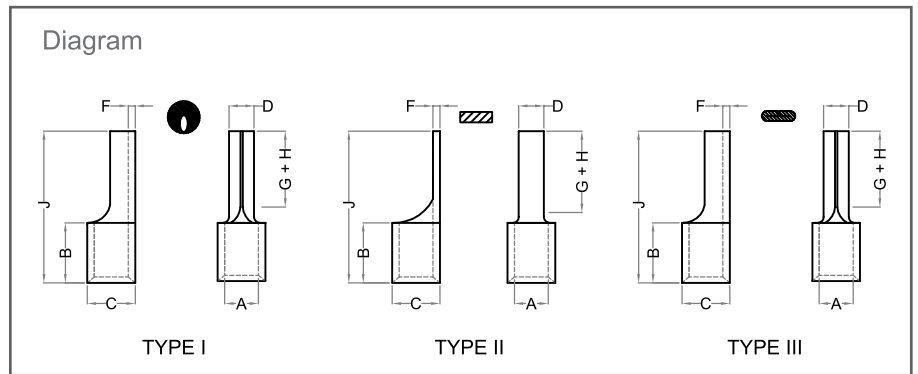
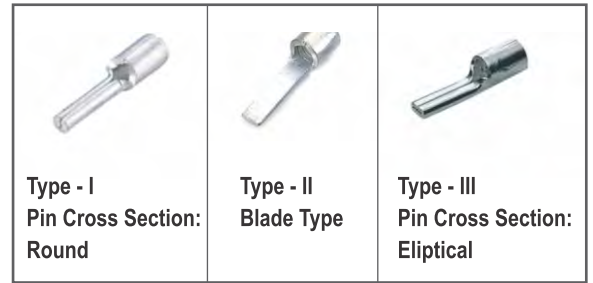
# FORK TYPE TERMINALS

Cable mm <sup>2</sup>	Stud Hole E	Dimensions in mm								Non Insulated Product Code	Dimensions in mm			Insulated Product Code
		A	C	D	F	B	H	J	L1		C1	J1	L3	
1.5	5.1	1.6	3.2	8	0.8	5	10	21	17	RLF - 01	4.8	10	27	RLFI - 01
1.5	3.5	1.6	3.2	6.8	0.8	4	4.8	13	8.8	RLF - 02	4.8	10	20.8	RLFI - 02
1.5	3	2	2.8	6.2	0.4	5	3.1	13	10.5	RLF - 03	4.8	10	20.5	RLFI - 03
2.5	3.5	2.3	3.9	6.5	0.8	5	4.3	15	11.8	RLF - 04	5.5	10	21.8	RLFI - 04
2.5	5	2.6	4.6	10.6	1.6	6.2	6.2	21	12.4	RLF - 05	5.5	10	20	RLFI - 05
4 - 6	3.1	3.5	5.5	6	1	6	5.5	15	11.5	RLF - 06	7.1	14	27.5	RLFI - 06
4 - 6	3.5	3.5	5.5	6	1	6	5	15	11	RLF - 07	7.1	14	27	RLFI - 07
10	6.5	4.5	6.9	16	1.2	8	11	27	19	RLF - 08	7.9	16	35	RLFI - 08
10	8.2	4.5	6.9	16	1.2	8	11	27	19	RLF - 09	7.9	16	35	RLFI - 09



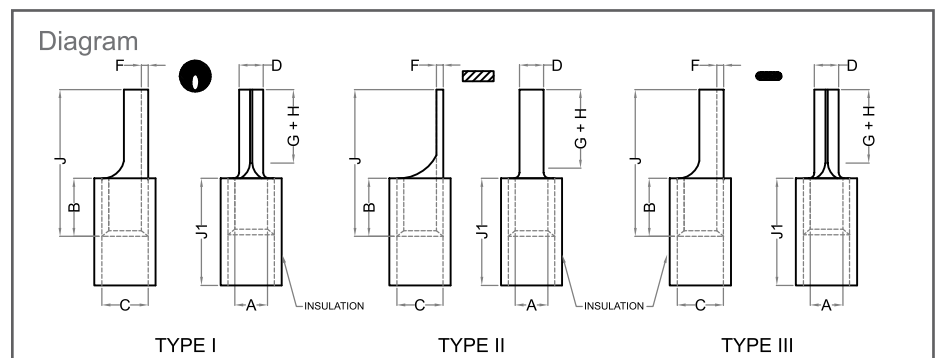
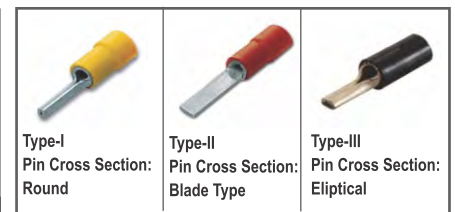
## PIN TYPE TERMINALS NON - INSULATED

Cable mm <sup>2</sup>	Dimensions in mm							Type	Product Code
	A	C	D	F	B	G+H	J		
1.5	1.6	3.2	1.9	0.8	5	10	17	I	RLP-001
1.5	1.6	3.2	1.9	0.8	5	10	17	II	RLP-001 Type-II
2.5	2.3	3.9	1.9	0.8	5	10	17	I	RLP-002
2.5	2.3	3.9	1.9	0.8	5	10	17	II	RLP-002 Type-II
4	2.9	4.9	2.7	1	6	10	20	I	RLP-003
6	3.6	5.6	2.7	1	6	10	20	I	RLP-004
6	3.6	5.6	2.7	1	6	10	20	II	RLP-005
10	4.5	6.7	4.3	1.1	8	12	22	III	RLP-006
16	5.8	8.2	5.5	1.2	10	13	26	III	RLP-007
25	7.5	11.1	7.2	1.8	11	15	33	III	RLP-008
35	9	12.6	8.2	1.8	12	15	33	III	RLP-009
50	10.5	14.1	9	1.8	16	17	41	III	RLP-010
70	12	16	10	2	16	16	46	III	RLP-011
95	13.5	18.1	10	2.3	20	20	51	III	RLP-012



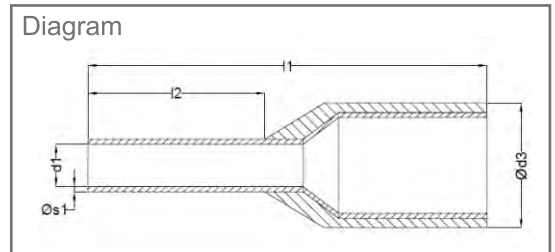
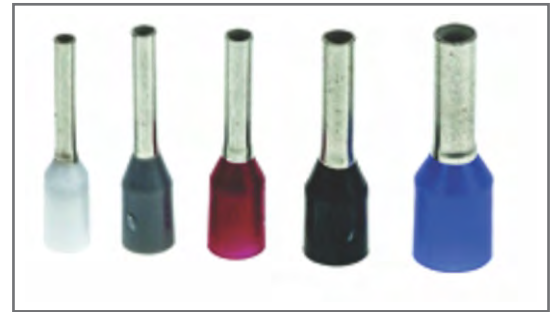
## PIN TYPE TERMINALS INSULATED

Cable mm <sup>2</sup>	Dimensions in mm									Type	Insulated Product Code	Insulated Colour
	A	C	D	F	B	G+H	J	C1	J1			
1.5	1.6	3.2	1.9	0.8	5	10	17	4.8	10	I	RLPI-01	RED
1.5	1.6	3.2	1.9	0.8	5	10	17	4.8	10	II	RLPI-01 Type-II	RED
2.5	2.3	3.9	1.9	0.8	5	10	17	5.5	10	I	RLPI-02	BLUE
2.5	2.3	3.9	1.9	0.8	5	10	17	5.5	10	II	RLPI-02 Type-II	BLUE
4	2.9	4.9	2.7	1	6	10	20	7.1	14	I	RLPI-03	YELLOW
6	3.6	5.6	2.7	1	6	10	20	7.1	14	I	RLPI-04	YELLOW
6	3.6	5.6	2.7	1	6	10	20	7.9	14	II	RLPI-05	YELLOW
10	4.5	6.7	4.3	1.1	8	12	22	7.9	16	III	RLPI-06	BLACK
16	5.8	8.2	5.5	1.2	10	13	26	10	20	III	RLPI-07	BLACK



## INSULATED CABLE END - SLEEVES TO DIN 0.5-1.50mm

Nominal Section mm <sup>2</sup>	Colour	Dimensions					Product Code
		d1	d3	l1	l2	s1	
0.5	WHITE	1.0	3.1	12	6	0.15	RLBI 0.5 x 6
0.5	WHITE	1.0	3.1	14	8	0.15	RLBI 0.5 x 8
0.5	WHITE	1.0	3.1	16	10	0.15	RLBI 0.5 x 10
0.5	WHITE	1.2	3.3	12	6	0.15	RLBI 0.75 x 6
0.75	GREY	1.2	3.3	14	8	0.15	RLBI 0.75 x 8
0.75	GREY	1.2	3.3	16	10	0.15	RLBI 0.75 x 10
0.75	GREY	1.2	3.3	18	12	0.15	RLBI 0.75 x 12
1	RED	1.4	3.5	12	6	0.15	RLBI 1 x 6
1	RED	1.4	3.5	14	8	0.15	RLBI 1 x 8
1	RED	1.4	3.5	16	10	0.15	RLBI 1 x 10
1	RED	1.4	3.5	18	12	0.15	RLBI 1 x 12
1.5	BLACK	1.7	4.0	12	6	0.15	RLBI 1.5 x 6
1.5	BLACK	1.7	4.0	14	8	0.15	RLBI 1.5 x 8
1.5	BLACK	1.7	4.0	16	10	0.15	RLBI 1.5 x 10
1.5	BLACK	1.7	4.0	18	12	0.15	RLBI 1.5 x 12
1.5	BLACK	1.7	4.0	24	18	0.15	RLBI 1.5 x 18
2.5	BLUE	2.2	4.7	14	8	0.15	RLBI 2.5 x 8
2.5	BLUE	2.2	4.7	18	12	0.15	RLBI 2.5 x 12
2.5	BLUE	2.2	4.7	24	18	0.20	RLBI 2.5 x 18
4	GREY	2.8	5.4	17	10	0.20	RLBI 4 x 10
4	GREY	2.8	5.4	20	12	0.20	RLBI 4 x 12
4	GREY	2.8	5.4	26	18	0.20	RLBI 4 x 18
6	YELLOW	3.5	6.9	20	12	0.20	RLBI 6 x 12
6	YELLOW	3.5	6.9	26	18	0.20	RLBI 6 x 18
10	RED	4.5	8.4	22	12	0.20	RLBI 10 x 12
10	RED	4.5	8.4	28	18	0.20	RLBI 10 x 18
16	BLUE	5.8	9.6	24	12	0.20	RLBI 16 x 12
16	BLUE	5.8	9.6	28	18	0.20	RLBI 16 x 18
25	YELLOW	7.3	12.0	30	16	0.20	RLBI 25 x 16
25	YELLOW	7.3	12.0	32	18	0.20	RLBI 25 x 18
25	YELLOW	7.3	12.0	36	22	0.20	RLBI 25 x 22
25	YELLOW	8.3	13.5	30	16	0.20	RLBI 35 x 16
35	RED	8.3	13.5	32	18	0.20	RLBI 35 x 18
35	RED	8.3	13.5	39	25	0.20	RLBI 35 x 25
35	RED	10.3	16.0	36	20	0.30	RLBI 50 x 20
35	RED	10.3	16.0	40	25	0.30	RLBI 50 x 25
70	YELLOW	13.5	17.2	37	21	0.40	RLBI 70 x 21
95	RED	14.7	19.2	44	25	0.40	RLBI 95 x 25
120	BLUE	16.7	21.4	48	27	0.45	RLBI 120 x 27
150	YELLOW	19.5	25.0	58	32	0.50	RLBI 150 x 32



## RING TYPE TERMINALS (Insulated and Non Insulated)

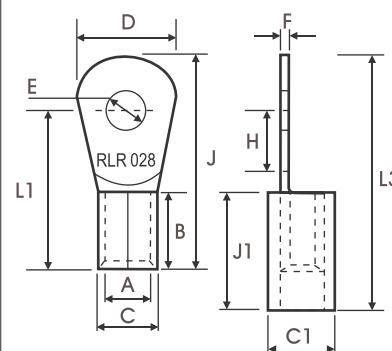
Cable mm <sup>2</sup>	Stud Hole E	Dimensions in mm								Non Insulated	Insulated
		A	C	D	F	B	H	L1	J	Product Code	Product Code
1.5	2.2	1.6	3.2	6	0.8	5	4	11	14	RLR-001	RLRI-001
1.5	2.6	1.6	3.2	6	0.8	5	4	11	14	RLR-002	RLRI-002
1.5	3.2	1.6	3.2	6	0.8	5	4	11	14	RLR-003	RLRI-003
1.5	3.7	1.6	3.2	6	0.8	5	4	11	14	RLR-004	RLRI-004
1.5	4.2	1.6	3.2	6	0.8	5	4	11	14	RLR-005	RLRI-005
1.5	5.2	1.6	3.2	8	0.8	5	5	12	16	RLR-006	RLRI-006
1.5	6.4	1.6	3.2	10	0.8	5	6	13	18	RLR-007	RLRI-007
2.5	3'2	2.3	3.9	6.5	0.8	5	3.5	9.5	12.7	RLR-008	RLRI-008
2.5	3'7	2.3	3.9	6.5	0.8	5	3.5	9.5	12.7	RLR-009	RLRI-009
2.5	4'2	2.3	3.9	8	0.8	5	5	12	16	RLR-010	RLRI-010
2.5	5'2	2.3	3.9	8	0.8	5	5	12	16	RLR-011	RLRI-011
2.5	6'4	2.3	3.9	10	0.8	5	7	13	18	RLR-012	RLRI-012
2.5	8'2	2.3	3.9	12	0.8	5	9	16	22	RLR-013	RLRI-013
2.5	8'2	2.3	3.9	16	0.8	5	10	17	25	RLR-014	RLRI-014
2.5	10'2	2.3	3.9	16	0.8	5	10	17	25	RLR-015	RLRI-015
2.5	12'7	2.3	3.9	18	0.8	5	14	20	29	RLR-016	RLRI-016
4-6	4.2	3.5	5.5	10	1	6	5	14	19	RLR-017	RLRI-017
4-6	5.2	3.5	5.5	10	1	6	5	14	19	RLR-018	RLRI-018
4-6	6.4	3.5	5.5	12	1	6	6	14	20	RLR-019	RLRI-019
4-6	8.2	3.5	5.5	12	1	6	6	14	20	RLR-020	RLRI-020
4-6	8.2	3.5	5.5	14	1	6	10.5	18.5	25.5	RLR-021	RLRI-021
4-6	9.7	3.5	5.5	14	1	6	10.5	18.5	25.5	RLR-022	RLRI-022
10	4.2	4.3	6.3	10	1	8	7	17	22	RLR-023	
10	5.2	4.3	6.3	10	1	8	7	17	22	RLR-024	
10	6.4	4.3	6.3	12	1	8	7	17	23	RLR-025	
10	8.2	4.3	6.3	16	1	8	7	19	27	RLR-026	
10	10.2	4.3	6.3	22	1	8	10	23	34	RLR-027	
10	12.7	4.3	6.3	22	1	8	10	23	34	RLR-028	
16	6.4	5.6	8	16	1.2	10	8	22	30	RLR-029	
16	8.2	5.6	8	16	1.2	10	8	22	30	RLR-030	
16	10.2	5.6	8	22	1.2	10	8	24	35	RLR-031	
16	12.7	5.6	8	22	1.2	10	8	24	35	RLR-032	
25	6.4	7.5	11.1	16	1.8	11	6	22	30	RLR-033	
25	8.2	7.5	11.1	16	1.8	11	6	22	30	RLR-034	
25	10.2	7.5	11.1	16	1.8	11	6	22	30	RLR-035	
25	12.7	7.5	11.1	22	1.8	11	14	31	42	RLR-036	
35	6.4	9	12.6	16	1.8	12	6	23	31	RLR-037	
35	8.2	9	12.6	16	1.8	12	6	23	31	RLR-038	
35	10.2	9	12.6	22	1.8	12	15	31	42	RLR-039	
35	12.7	9	12.6	22	1.8	12	15	31	42	RLR-040	
50	8.2	10.5	14.1	18	1.8	16	12	34	43	RLR-041	
50	10.2	10.5	14.1	24	1.8	16	14	36	48	RLR-042	
50	12.7	10.5	14.1	24	1.8	16	14	36	48	RLR-043	
50	16.2	10.5	14.1	32	1.8	16	15	38	54	RLR-044	
70	10.2	12	16	22	2	18	11	36	47	RLR-045	
70	12.7	12	16	22	2	18	11	36	47	RLR-046	
70	16.2	12	16	28	2	18	16	40	54	RLR-047	
95	10.2	13.5	18.1	24	2.3	20	12	38	50	RLR-048	
95	12.7	13.5	18.1	24	2.3	20	12	38	50	RLR-049	
95	16.2	13.5	18.1	28	2.3	20	17	44	58	RLR-050	
120	12.7	15	20.2	26	2.6	22	7	39	52	RLR-051	
120	20.3	15	20.2	40	2.6	22	20	52	72	RLR-052	
150	16.2	16.5	23.7	40	3.6	24	20	54	74	RLR-053	
150	20.3	16.5	23.7	40	3.6	24	20	54	74	RLR-054	

### FEATURES

- Ring Type light duty cable lugs used for cable wire harness and low voltage applications
- One piece, annealed, pure electrolytic copper construction with electro-tin plating for corrosion resistance.
- High quality pre-insulated with a polyvinyl chloride (PVC) sleeve.
- Inspection hole permits quick examination of the crimp. Generous entrance chamfer provides easy wire insertion.



Ring Type Lugs



Diagram

# BI-METALLIC LUGS AND CONNECTORS

Bi-metallic lug is used when an aluminum cable needs to be terminated on to a copper bus bar or contact, these lugs are manufactured by Friction welding process.

Aluminum and Copper conductors can be connected in a dry environments without destructive oxidation occurring between the two materials. The same principle will be applied when joining copper cable to aluminum cable using friction welded ferrules

Salient Features of Raychem RPG Bi-metallic Lugs & Connectors:

1. Manufactured in accordance to the specifications of British Standards (BS) & German Standards (DIN)
2. For pre-rounded sector shaped conductors
3. With Markings for correct crimping
4. Precise screw ends for simple cable insertion
5. Material - High conductivity Electrolytic Copper conforming to IS 1997 & Aluminum of grade IE of IS 5082

## BI-METALLIC CABLE LUGS

Cable mm <sup>2</sup>	Stud Size	Dimensions in mm								Product code
		Stud Hole Size	Barrel ID	Barrel Length	Barrel OD	Palm Width	Palm Thickness	Stud Center Distance	Total Length	
		E	A	B	C	D	F	G	J	
6	M8	8	3.5	30	10.8	18	3.5	20	65.0	RACL - 6 - 8
10	M8	8	4.5	30	10.8	18	3.5	20	65.0	RACL - 10 - 8
16	M8	8	5.5	30	10.8	18	3.5	20	65.0	RACL - 16 - 8
25	M10	10	7.0	30	10.8	18	3.5	20	65.0	RACL - 25 - 10
35	M10	10	8.5	30	10.8	18	3.5	20	65.0	RACL - 35 - 10
50	M10	10	9.5	35	15	22	4.0	26	76	RACL - 50 - 10
70	M10	10	11.6	35	18.6	22	4.0	26	78	RACL - 70 - 10
95	M10	10	13.5	45	18.6	22	4.0	26	88	RACL - 95 - 10
120	M12	12.7	15.5	65	19.6	22	4.0	26	110.0	RACL - 120 - 12
150	M12	12.7	16.5	65	24.0	32	5.0	34	120.0	RACL - 150 - 12
185	M12	12.7	18.5	65	24.0	32	5.0	34	120.0	RACL - 185 - 12
240	M12	12.7	22.0	70	30.0	32	5.0	34	127.0	RACL - 240 - 12
300	M12	12.7	24.0	75	32.0	35	6.0	36	135.0	RACL - 300 - 12
400	M20	20.2	27.0	75	36.0	35	6.0	36	135.0	RACL - 400 - 20
500	M20	20.2	30.0	75	36.0	35	6.0	36	140.0	RACL - 500 - 20
630	M20	20.2	35.0	75	38.0	35	6.0	36	140.0	RACL - 630 - 20

Bi-metallic Cable Lugs



## BI-METALLIC CABLE CONNECTORS

Cable mm <sup>2</sup>	Dimensions in mm							Product code
	Barrel ID	Barrel Length	Al Length	Stud Center Distance	Stud Center	Cu Length	Total Length	
	A	B	L2	C	D	L1	J	
16	10.8	5.4	32.0	7.1	5.4	21	70	RACC - 16
25	10.8	7.0	32.0	9.0	7.0	21	70	RACC - 25
35	10.8	8.0	32.0	10.6	8.2	21	70	RACC - 35
50	16.0	9.3	32.0	12.4	10.0	24	70	RACC - 50
70	19.6	11.6	32.0	14.7	11.5	24	70	RACC - 70
95	19.6	12.9	50	17.4	13.5	32	100	RACC - 95
120	24.0	15.0	50	19.4	15.5	32	100	RACC - 120
150	24.0	16.5	50	21.2	16.5	32	102	RACC - 150
185	32.0	18.5	50	23.5	19.0	40	110	RACC - 185
240	36.0	22.0	60	26.5	22.0	40	120	RACC - 240
300	36.0	25.0	60	30.0	24.5	40	120	RACC - 300
400	36.0	29.0	70	36.0	29.5	55	155	RACC - 400
500	46.0	31.0	70	39.0	31.0	55	155	RACC - 500
630	46.0	36.0	70	45.0	35.0	55	159	RACC - 630

Bi-metallic Connectors



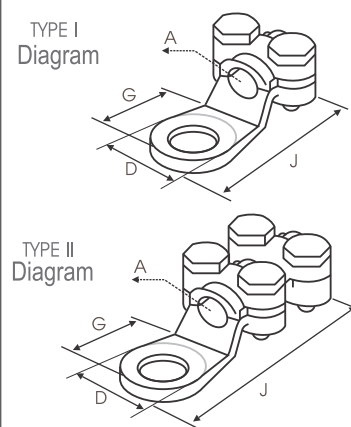


## ACCESSORIES

### MECHANICAL - CABLE LUGS – BOLTED WITH 2 OR 4 SCREWS

**MATERIAL : BRASS • FINISH : ELECTRO PLATED**  
**STEEL SCREWS : ELECTRO PLATED**

Cable mm <sup>2</sup>	Dimensions in mm						Product Code
	A	G	D	J	Screw	Type	
10	4.0	6.0	15.0	32.5	M - 5	I	R2B - 10
16	5.1	8.5	17.0	37.0	M - 5	I	R2B - 16
25	6.3	8.5	18.75	42.0	M - 5	I	R2B - 25
35	7.5	10.5	21.50	4.0	M - 5	I	R2B - 35
50	9.5	10.5	23.0	56.5	M - 6	II	R4B - 50
75	11.0	13.25	26.0	61.0	M - 6	II	R4B - 75
100	13.0	14.30	29.0	65.0	M - 6	II	R4B - 100
120	14.0	14.80	32.0	71.0	M - 6	II	R4B - 120
170	16.0	16.0	33.0	81.0	M - 8	II	R4B - 170
200	17.0	17.0	35.0	85.0	M - 8	II	R4B - 200
250	18.0	17.0	38.0	87.5	M - 8	II	R4B - 250
300	21.0	19.8	45.0	118	M - 10	II	R4B - 300
400/500	25.5	22.0	53.0	132	M - 10	II	R4B - 400/500
700	34.0	22.0	60.0	150	M - 10	II	R4B - 700



### LINE TAPS / SPLIT BOLTS

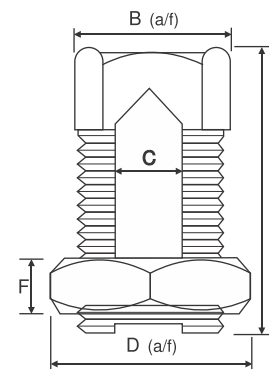
**MATERIAL : BRASS • FINISH : NATURAL**

Raychem manufactures a vast range of line taps to meet the materials and dimensional specifications laid by different international standards. Brass line taps are made with high tensile brass as per BS 2874 - CZ 112. Threads are formed by rolling process giving the nut extra clamping force. Pressure pads are made from extruded bars (not cast), preventing the pads from cracking. Brass line taps are manufactured in passivated natural brass with electro tinned finish. They are also supplied in high conductivity copper.

Cable mm <sup>2</sup>	Dimensions in mm					Product Code
	J	C	B a/f	D a/f	F	
6 mm <sup>2</sup>	24.00	3.20	10.00	12.70	6.50	RSBC - 6
10 mm <sup>2</sup>	27.30	5.50	12.70	19.00	5.60	RSBC - 10
16 mm <sup>2</sup>	27.30	5.50	12.70	19.00	5.60	RSBC - 16
25 mm <sup>2</sup>	28.90	6.90	15.00	19.00	5.60	RSBC - 25
35 mm <sup>2</sup>	34.80	8.10	18.00	24.00	7.10	RSBC - 35
50 mm <sup>2</sup>	42.00	9.60	23.00	27.30	9.40	RSBC - 50
70 mm <sup>2</sup>	47.50	11.17	23.00	30.00	9.40	RSBC - 70
95 mm <sup>2</sup>	53.00	14.00	25.40	34.30	9.40	RSBC - 95
120 mm <sup>2</sup>	59.00	16.00	30.00	35.55	12.20	RSBC - 120
150 mm <sup>2</sup>	59.00	16.00	30.00	35.55	12.20	RSBC - 150
185 mm <sup>2</sup>	59.00	18.00	32.00	38.10	12.20	RSBC - 185
240 mm <sup>2</sup>	76.20	22.20	39.00	48.25	14.60	RSBC - 240
300 mm <sup>2</sup>	76.20	23.00	39.00	48.25	14.60	RSBC - 300
400 mm <sup>2</sup>	76.50	26.00	48.00	56.00	16.00	RSBC - 400
500 mm <sup>2</sup>	80.00	30.00	55.00	65.00	16.00	RSBC - 500



Copper 'C' Type Connectors



Diagram

# UL Listed Cable Lugs and Connectors Certificate

## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131231- E334539  
**Report Reference** E358299-20121112  
**Issue Date** 2013-DECEMBER-31

**Issued to:** RAYCHEM RPG LTD  
463,CEAT MAHAL ANNEXE  
DR ANNIE BESANT RD  
MUMBAI MH 400030 INDIA

**This is to certify that** WIRE CONNECTORS AND SOLDERING LUGS  
**representative samples of** Refer to addendum page for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 486A-486B and CSA C22.2 No. 65-03 - Wire Connectors.

Crimp type Pressure terminal connectors and pressure cable connectors.

USL/ CNL: Terminal Connectors, One Hole Lugs (with/without inspection hole): RL-15-4, RL-1.5-5, RL-1.5-6, RL-2.5-4, RL-2.5-5, RL-2.5-6, RL-2.5-8, RL-4-4, RL-4-5, RL-4-6, RL-4-8, RL-6-5, RL-6-6, RL-6-8, RL-6-10, RL-10-6, RL-10-8, RL-10-10, RL-18-6, RL-16-8, RL-16-10, RL-16-12, RL-35-6, RL-35-8, RL-35-10, RL-35-12, RL-35-16, RL-50-8, RL-50-8, RL-50-10, RL-50-12, RL-50-16, RL-70-8, RL-70-10, RL-70-12, RL-70-14, RL-70-16, RL-95-8, RL-95-10, RL-95-12, RL-95-14, RL-95-16, RL-120-10, RL-120-12, RL-120-14, RL-120-16, RL-150-10, RL-150-12, RL-150-14, RL-150-16, RL-150-20, RL-185-10, RL-185-12, RL-185-14, RL-185-16, RL-185-20, RL-240-10, RL-240-12, RL-240-14, RL-240-16, RL-240-20, RL-240-BL, RL-300-10, RL-300-12, RL-300-14, RL-300-16, RL-300-20, RL-300-BL, RL-400-10, RL-400-12, RL-400-14, RL-400-16, RL-400-20, RL-500-16, RL-500-20, RL-500-BL, RL-630-16, RL-630-16, RL-630-20, RL-630-BL.

Cable Connectors - Long Barrel.

RCL - 1.5, RCL - 2.5, RCL - 4, RCL - 6, RCL - 10, RCL - 16, RCL - 25, RCL - 35, RCL - 50, RCL - 70, RCL - 95, RCL - 120, RCL - 150, RCL - 185, RCL - 240, RCL - 300, RCL - 400, RCL - 630

Terminal Connectors, Light Duty

RLL 35-6, RLL 35-8, RLL35-10, RLL 35-12, RLL 35-16, RLL 50-6, RLL 50-8, RLL58 10, RLL 50-12, RLL 50-14, RLL 50-16, RLL 50-20, RLL 70-8, RLL 70-10, RLL 70-12, RLL 70-14, RLL 70-16, RLL 70-20, RLL 95-8, RLL 95-10, RLL 95-12, RLL 95-14, RLL95-16, RLL 95-20, RLL 120-8, RLL 120-10, RLL 120-12, RLL 120-14, RLL 120-16, RLL 120-20, RLL 150 8, RLL 150-10, RLL 150-12, RLL 150-14, RLL 150-16, RLL 150 20, RLL 185-10, RLL 185-12, RLL 185-14, RLL 185-16, RLL 185-20, RLL 240-10, RLL 240-12, RLL 240-14, RLL 240-16, RLL 240-20, RLL 300-10, RLL 300-12, RLL 300-14, RLL 300-16, RLL 300-20, RLL300-BL, RLL400-12, RLL400-14, RLL400-16, RLL400-18, RLL400-BL, RLL630-14, RLL 630-16, RLL630-20, RLL630-BL

Terminal Connectors, - Single Hole Long Barrel.

RLLB - 6 - 8, RLLB - 10 - 8, RLLB - 16 - 8, RLLB - 25 - 8  
RLLB - 35 - 8, RLLB - 50 - 12, RLLB - 70 - 12, RLLB - 95 - 12, RLLB - 120 - 12, RLLB - 150 - 12, RLLB - 185 - 12, RLLB - 240 - 16, RLLB - 300 - 20, RLLB - 400 - 20, RLLB - 630 - 20

Terminal Connectors, - Bell Mouth.

RLBM-10-5, RLBM-10-6, RLBM-10-8, RLBM-10-10, RLBM-10-12, RLBM-16-5, RLBM-16-6, RLBM-16-8, RLBM-16-10, RLBM-16-13, RLBM-16-16, RLBM-25-6, RLBM-25-8, RLBM-25-10, RLBM-25-12, RLBM-25-16, RLBM-35-6, RLBM-35-8, RLBM-35-10, RLBM-35-12, RLBM-35-16, RLBM-50-6, RLBM-50-8, RLBM-50-10, RLBM-50-13, RLBM-50-14, RLBM-50-16, RLBM-50-20, RLBM-70-8, RLBM-70-10, RLBM-70-12, RLBM-70-14, RLBM-70-16, RLBM-70-20, RLBM-95-8, RLBM-95-10, RLBM-95-12, RLBM-95-14, RLBM-95-16, RLBM-95-20, RLBM-120-8, RLBM-120-10, RLBM-120-12, RLBM-120-14, RLBM-120-16, RLBM-120-20, RLBM-150-8, RLBM-150-10, RLBM-150-12, RLBM-150-14, RLBM-150-16, RLBM-150-20, RLBM-185-10, RLBM-185-12, RLBM-185-14, RLBM-185-16, RLBM-185-20, RLBM-240-10, RLBM-240-12, RLBM-240-14, RLBM-240-16, RLBM-240-20

Terminal Connectors - Four Hole

RLT-4004 E-10, RLT-4004 E-12, RLT-5004 E-10, RLT-5004 E-12, RLT-6304 E-10, RLT-6304 E-12

Terminal Connectors - Two Holes Heavy Duty.

RLHV-25 2 E10, RLHV-35 2E10, RLHV-50 2E12, RLHV - 70 2E12, RLHV - 95 2E12, RLHV - 120 2E12, RLHV - 150 2E12, RLHV - 185 2E14, RLHV - 240 2E14, RLHV - 300 2E16, RLHV - 400 2E16, RLHV - 630 2 E20



William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at [www.ul.com/contactus](http://www.ul.com/contactus)



# Raychem RPG

ENGINEERING GROWTH • PIONEERING EXCELLENCE



## Raychem RPG (P) Ltd.

### Corporate Office

RPG House, 463, Dr. A. B. Road, Worli, Mumbai - 400030  
Tel. : +91 22 24937485 / 24937486  
Fax : +91 22 24938879

### Vasai Factory

1,62, M.G. Rd., Near Bharat Petroleum Pump,  
Off. Western Express Highway, P. Satavali, Bassein, Taluka Vasai, Dist. Palghar  
Tel. : +91 250 3057500  
Fax : +91 250 2480046

Email : [raychem@raychemrpg.com](mailto:raychem@raychemrpg.com)

[www.raychemrpg.com](http://www.raychemrpg.com)



( A TE-Connectivity - RPG Enterprises JV )