



Lustre

Manufacturer, Supplier &
Exporter of Brass Cable Glands,
Earthing and Electrical Wiring Accessories.





OUR CERTIFICATION



CERTIFICATE OF COMPLIANCE

Certificate Number EX28976
Report Reference EX28976-20230316
Date 2023-MARCH-16

Issued to: Lustre Electrical Limited
 125 Upper Marshall Street
 Birmingham, B11J, GB

This is to certify that representative samples of HANGERS, PIPE
 See Addendum Page for Product Designation(s).

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

Standard(s) for Safety: UL 203 - Standard for Pipe Hanger Equipment for Fire Protection Service

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Corcoran
 Deborah Jennings-Corcoran, VP Regulatory Services
 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 UL Customer Service Representatives at ULCustomerService@ul.com



CERTIFICATE OF COMPLIANCE

Certificate Number E532904
Report Reference E532904 - 20230316
Issue Date 2023-MARCH-16

Issued to: LUSTRE ELECTRICAL LIMITED
 125 Upper Marshall Street
 Birmingham, B1 1LJ GB

This certificate confirms that representative samples of Grounding and Bonding Equipment
 See Addendum Page for Models

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

Standard(s) for Safety: UL 467 - Grounding and Bonding Equipment
Additional Information: See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Page 1 of 2



CERTIFICATE OF COMPLIANCE

Certificate Number E532905
Report Reference E532905 - 20230311
Issue Date 2023-MARCH-11

Issued to: LUSTRE ELECTRICAL LIMITED
 125 Upper Marshall Street
 Birmingham, B1 1LJ GB

This certificate confirms that representative samples of Wire Connectors and Soldering Lugs
 See Addendum Page for Models

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

Standard(s) for Safety: UL 486A-486B - Wire Connectors
 UL 486C - Splicing Wire Connectors

Additional Information: See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Page 1 of 3



CERTIFICATE OF COMPLIANCE

Certificate Number E532906
Report Reference E532906 - 20230421
Issue Date 2023-APRIL-21

Issued to: LUSTRE ELECTRICAL LIMITED
 125 Upper Marshall Street
 Birmingham, B1 1LJ GB

This certificate confirms that representative samples of Positioning Devices
 See Addendum Page for Models

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

Standard(s) for Safety: UL 62275 - Cable Management Systems - Cable Ties for Electrical Installations

Additional Information: See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

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Page 1 of 3





INDEX

INDUSTRIAL CABLE GLAND	04
INDUSTRIAL CABLE GLANDS ACCESSORIES	06
EARTHING AND LIGHTNING ACCESSORIES	07
BRASS FASTENERS	10
EARTHING ACCESSORIES	11
EMT CONDUIT & ACCESSORIES	13
G.I SUPPORT CLAMP ACCESSORIES	14
COPPER ONE HOLE SHORT BARREL SERIES COLOR CODED	16
COPPER TWO HOLE SHORT BARREL SERIES COLOR CODED	17
COPPER SINGLE HOLE LONG BARREL SERIES COLOR CODED	18
COPPER TWO HOLE LONG BARREL SERIES COLOR CODED	19
COPPER SINGLE HOLE TERMINAL HEAVY DUTY SERIES	20
COPPER SINGLE HOLE HEAVY DUTY SERIES	21
COPPER BUTT SPLICES (SHORT & LONG) COLOR CODED	22
COPPER BUTT SPLICE CONNECTOR COLOR CODED	23
COPPER SINGLE HOLE STANDARD BARREL SERIES	24
COPPER SINGLE HOLE LONG BARREL SERIES	25
COPPER SHORT AND STANDARD BUTT SPLICES	26
INSTALLATION PROCEDURES FOR COPPER CABLE	27
COPPER BONDED EARTH RODS / GROUND RODS	28
COPPER BONDED EARTH RODS / GROUND RODS	29
COPPER BONDED EARTH ROD /	30
SOLID COPPER EARTH RODS	31
EXTERNALLY THREADED RODS	32
CLAMPS UL LISTED	33
RECOMMENDED CRIMPING POSITIONS	34



BW CABLE GLAND

Size : 20mm to 90mm

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Provides mechanical cable retention & electrical continuity via armoured wire termination in indoor area.

- Ingress Protection :** IP2X
- Material :** Brass CW614N
- Thread :** Metric, NPT, BSP
- Finish :** Brass, Nickel
- Operating Temp. :** -60°C to +200°C
- Cable Type :** Single Wire Armour (SWA) Cable
- Features :** Armoured Ring
- Accessories :** PVC Shroud, Earth Tag



BW 2 PART CABLE GLAND

Size : 20mm to 90mm

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Provides mechanical cable retention & electrical continuity via armoured wire termination in indoor area. It is easy to install.

- Ingress Protection :** IP2X
- Material :** Brass CW614N
- Thread :** Metric, NPT, BSP
- Finish :** Brass, Nickel
- Operating Temp. :** -60°C to +200°C
- Cable Type :** Single Wire Armour (SWA) Cable
- Features :** Two Part Armour Lock
- Accessories :** PVC Shroud, Earth Tag, Galvanized Steel Lock Nut



CW CABLE GLAND

Size : 16mm to 90mm

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Providing environmental seal on the cable outer sheath. Also provides mechanical cable retention & electrical continuity via armoured wire termination in indoor and outdoor area with all types of SWA cable.

- Ingress Protection :** IP66
- Material :** Brass CW614N, Stainless Steel 316L
- Thread :** Metric, NPT
- Operating Temp. :** -20°C to +80°C
- Cable Type :** Single Wire Armour (SWA) Cable
- Seal Material :** Neoprene
- Features :** Armoured Ring and Outer Compression Seal
- Accessories :** PVC Shroud, Earth Tag, Serrated Washer and Entry Thread Seal



A2 CABLE GLAND

Size : 16mm to 90mm

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Providing seal on outer sheaths of all types of unarmoured cable in indoor and outdoor area.

- Ingress Protection :** IP66
- Material :** Brass CW614N, Stainless Steel 316L
- Thread :** Metric, NPT
- Operating Temp. :** -20°C to +80°C
- Features :** Compression Seal
- Cable Type :** Unarmoured Cable
- Seal Material :** Neoprene Seal
- Accessories :** PVC Shroud, Earth Tag, Thread Seal, Serrated Washer



ALCO CABLE GLAND

Size : G204 to G755

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Provides mechanical cable retention & electrical continuity via armoured wire termination in dry indoor area for all types of SWA cables.

Ingress Protection : IP2X

Material : Brass CW614N, Stainless Steel 316L

Thread : Metric

Operating Temp. : -60°C to +200°C

Cable Type : Single Wire Armour (SWA) Cable

Features : Armoured Ring

Accessories : PVC Shroud and Earth Tag



E1W CABLE GLAND

Size : 16mm to 115mm **Standard :** BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010 **Application :** For indoor & outdoor use with all types of SWA cable providing environmental seal on both the cable inner & outer sheaths. Also provides mechanical retention & electrical continuity via armour wire termination.

Ingress Protection : IP66

Material : Brass CW614N, Nickel Plated Brass, Stainless Steel 316L

Thread : Metric, NPT

Operating Temp. : -60°C to +125°C

Cable Type : Single Wire Armour (SWA) Cable

Features : Displacement Seal and Two part Armour Lock

Seal Material : LSOH Silicone Seal & LSOH Nylon Washer

Accessories : PVC Shroud, Earth Tag, Serrated Washer, Entry Thread Seal, Adaptor and Reducer



WIPING CABLE GLAND

Size : X, Y and Z

Material : Brass BS 2874

Application : For use with SWA plastic and rubber (Elastomer) sheathed cables. Used in dry indoor conditions

Accessories : Hot Dip Galvanized Mild Steel Clamp, Neoprene Gasket.



TRS CABLE GLAND

Size : 16mm to 50mm

Standard : BS 6121: Part-1:2005, EN 50262:1999, IEC62444:2010

Function : Recommended for use with braided, co-axial or SWA cables. A rubber seal compresses on cable to provide a tight fit against cable.

Ingress Protection : IP66

Material : Brass CW614N

Thread : Metric

Features : Outer Compression Seal

Accessories : PVC Shroud, Earth Tag and Serrated Washer



MARINE CABLE GLAND

Size : M10 to M75

Material : Brass, Chromium Plated

Gland Type : JIS Standard-8802/8803/F8801

Entry Thread : BSP

Ingress Protection : IP66

Application : For use all types of unarmoured cable



SINGLE COMPRESSION CABLE GLAND

Size : 16mm to 115mm and 3/8" to 4"
Standard : BS 6121:Part-1:2005, EN 50262: 1999
Function : Providing seal on outer sheaths of unarmored cable in indoor and outdoor area.

Ingress Protection : IP65
Material : Brass BS 2874
Thread : Metric and BSC (ET)
Operating Temp. : -20°C to +80°C
Features : Outer Compression seal
Accessories : Shroud, Earth Tag, Lock Nut and Serrated Washer.



DOUBLE COMPRESSION CABLE GLAND

Size : 16mm to 115mm & 1/2" to 3 1/2"
Standard : BS 6121:Part-1:2005, EN 50262: 1999
Function : For indoor & outdoor use with all types of SWA cable providing environmental seal on both the cable inner & outer sheaths. Also provides mechanical retention & electrical continuity via armour wire termination.

Ingress Protection : IP66
Material : Brass BS 2874
Thread : Metric, BSC (ET)
Operating Temp. : -20°C to +80°C
Cable Type : Steel Wire (SWA) Cable
Features : Displacement seal and Universal anyway clamping ring
Accessories : Shroud, Earth Tag, Serrated washer, Lock nut and Entry Thread Seal.



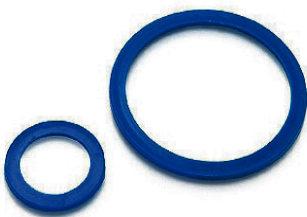
Shroud LSF / Virgin



Brass Earth Tag



Brass Locknut



Thread Seal



Double Bolt Cleat



Tel Cleat



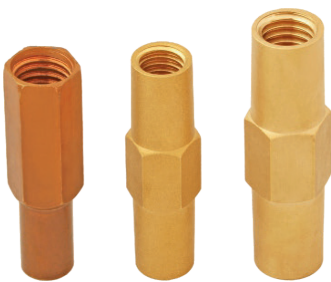
Solid Copper Rod



Copper Bonded Earth Rod



Air Terminal



Brass HEX Coupler



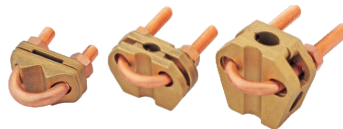
Brass Round Coupler



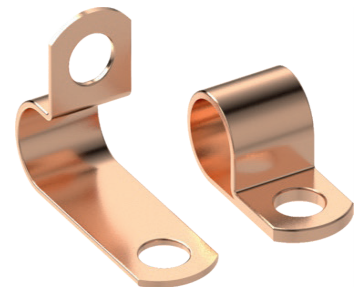
Brass D C Clip



Saddle



U Bolt Road to Cable Clamp



One Hole Clip



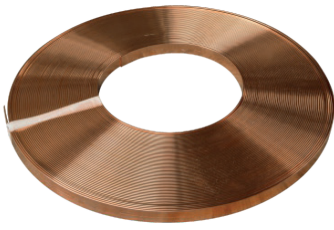
Tee Clamp



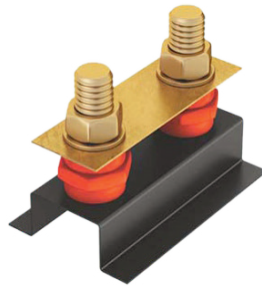
C Crimp Connector



Oblong Test Clamp



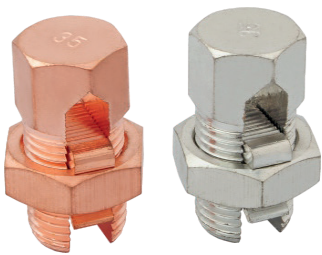
Copper Tape



Disconnecting Link



Earth Pit



Split Bolt Connector



Driving Head Bolt



Test Bond



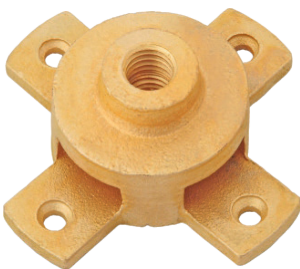
Multi Point



Tape Clip



Clamp



Base



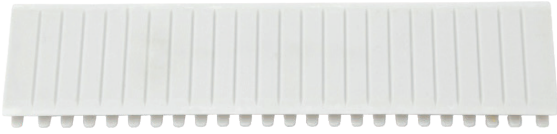
Copper Earth Braid



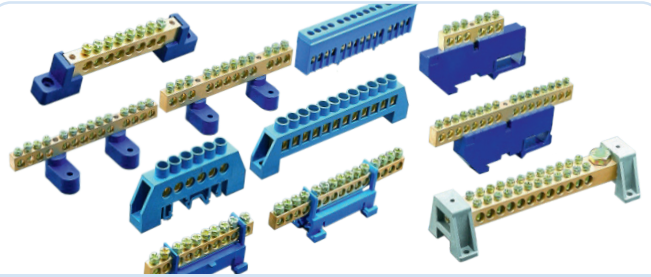
Copper Lugs



PANEL ACCESSORIES



Blanking Plate



Brass Neutral Link

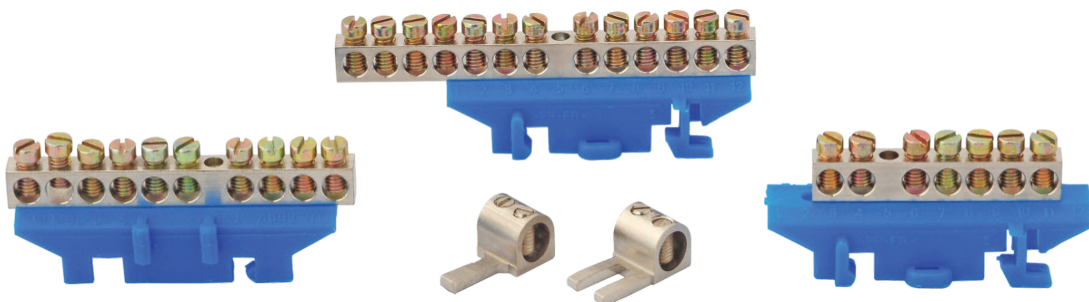
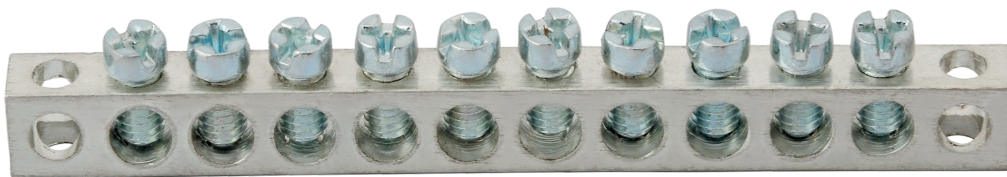


Earth Bar 1 mtr.



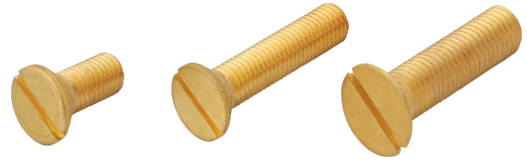
Hex Spacer Bar

NEUTRAL LINK

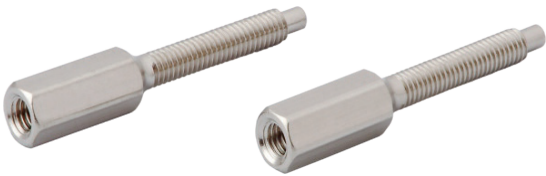




Brass Bolt



Brass CSK Screw



Brass Extension Screw



Brass Nut



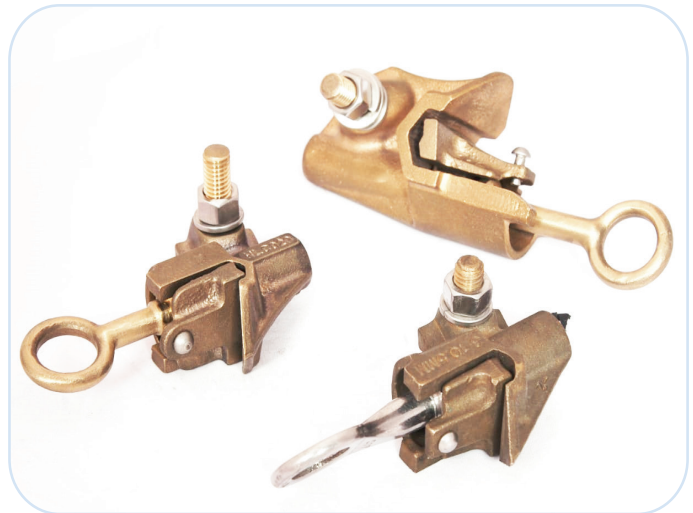
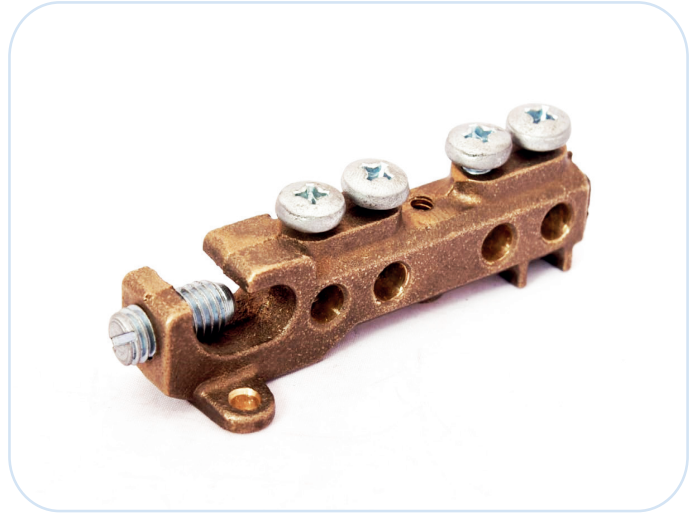
Brass Washer

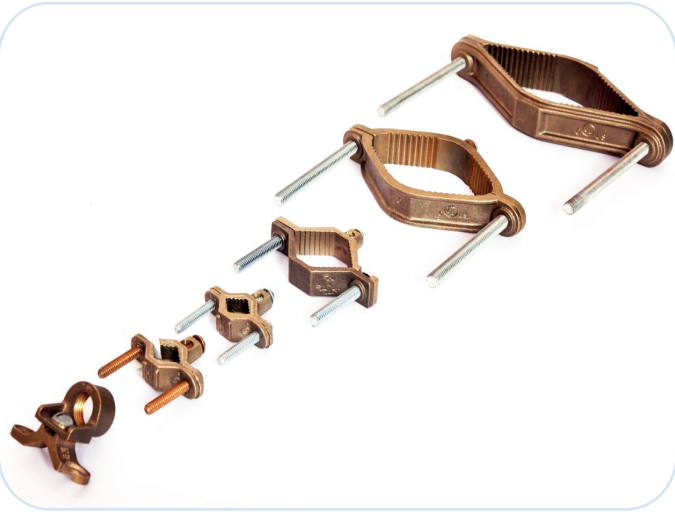


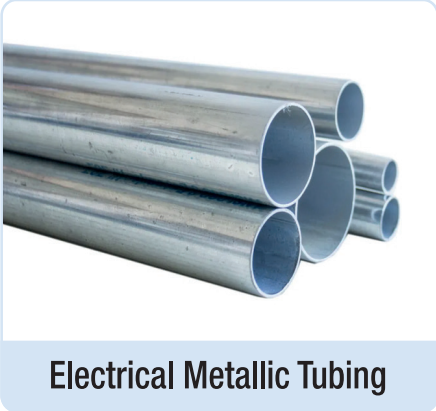
Brass Anchor

CLIP





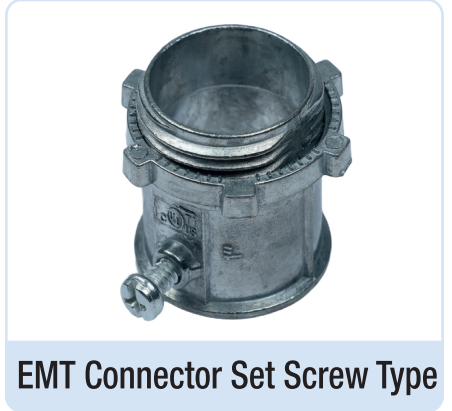




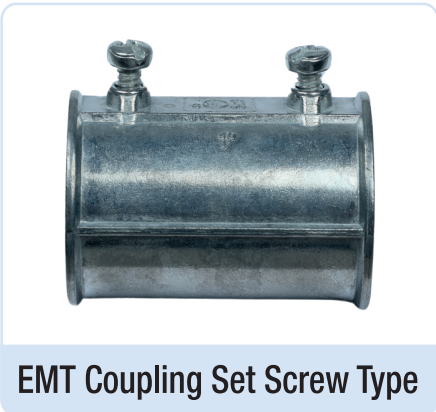
Electrical Metallic Tubing



EMT Bend 90°



EMT Connector Set Screw Type



EMT Coupling Set Screw Type



Flexible to EMT Connector



EMT Squeeze Connector



EMT Strap One Hole



EMT Strap Two Hole



Insulated Grounding Bush



Conduit Bushing



Insulated Conduit Bushing



Octagon Box



Spring Nut



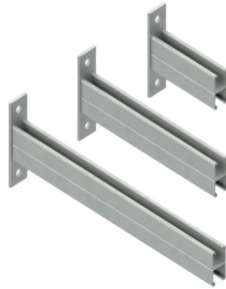
L Bracket



Post Bracket



Square Washer



Cantilever Arms

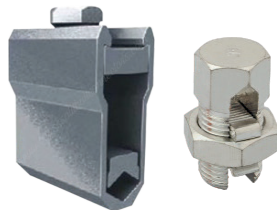


2 & 4 Hole L Bracket

ALUMINUM PRODUCTS



Test Bond



Connector



Nut



Neutral Link



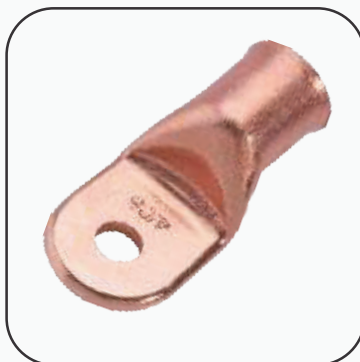
Square Saddle



Tape Clip

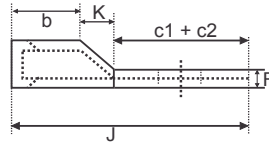
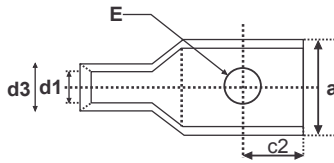


Copper Cable Lugs & Wiring Accessories





COPPER ONE HOLE SHORT BARREL SERIES COLOR CODED

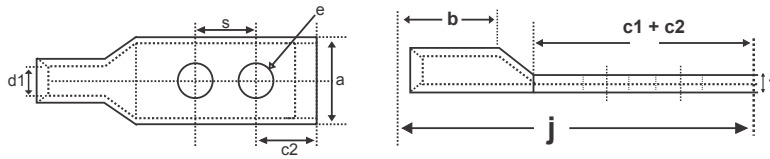


File No.: E532905

CAT NO.	Wire Range	Stud Size	Colour Code	d1	d3	J	b	a	F	E	c2	c1 + c2	K	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 001 L 002	8	#10 1/4	RED RED	4.4	6.9	30.5	12.5	10.7	2	5.3 6.4	7	15	3	M=MH-14	2	10mm
L 003 L 004 L 005	6	#10 1/4 5/16	BLUE BLUE BLUE	5.2	7.5	38.0	18.0			5.3 6.4 8.4	7.5	17	3	M=MH-14	2	16mm
L 006 L 008 L 009 L 010 L 010A	4	#10 1/4 5/16 3/8 3/16	GREY GREY GREY GREY GREY	6.4	8.7					5.3 6.4 8.4 10.5 5				I=ECO50 DIE.UL087	2	16mm 16mm 16mm
L 011 L 012 L 013	2	1/4 5/16 3/8	BROWN BROWN BROWN	8	10.7	45.6	21	15.3	2.6	6.4 8.4 10.5	9.4	20.6	4	I=ECO50 DIE.UL107	1	19mm
L 014 L 015 L 016	1	1/4 5/16 3/8	GREEN GREEN GREEN	9.1	11.9	46.6	21	17.1	2.7	6.4 8.4 10.5		20.6	5	I=ECO50 DIE.UL119	1	19mm
L 017 L 018 L 019 L 019A L 019AR	1/0	1/4 5/16 3/8 1/2 3/8	PINK PINK PINK PINK PINK	9.9	13.2	46.6	21	18.9	3.2	6.4 8.4 10.5 13		20.6	5	I=ECO50 DIE.UL132	1	19mm
L 020 L 021 L 022 L 023	2/0	1/4 5/16 3/8 1/2	BLACK BLACK BLACK BLACK	11.2	14.3	57	24	20.7	3	6.4 8.4 10.5 13		27	6	I=ECO50 DIE.UL143	1	21mm
L 024 L 025 L 026 L 027 L 027R L 027AR	3/0	1/4 5/16 3/8 1/2 1/2 3/8	ORANGE ORANGE ORANGE ORANGE ORANGE ORANGE	12.5	15.8	60	25	22.9	3.2	6.4 8.4 10.5 13 13 10.5		27	8	I=ECO50 DIE.UL158	1	21mm 22mm 22mm
L 028 L 029 L 030 L 031	4/0	1/4 5/16 3/8 1/2	PURPLE PURPLE PURPLE PURPLE	13.9	17.5	60	25	25.4	3.4	6.4 8.4 10.5 13		27	8	I=ECO50 DIE.UL175	1	21mm
L 032 L 033	250	3/8 1/2	YELLOW YELLOW	15.1	19.1	63	27	27.7	3.8	10.5 13		27	9	I=ECO50 DIE.UL191	2	25mm
L 034 L 035	300	1/2 5/8	WHITE WHITE	16.7	20.7	63 71	27 27	30.2 30.2	3.8 3.8	13 17	13.2 13.2	27 35	9 9	I=ECO50 DIE.UL207	2	25mm 25mm
L 036 L 037	350	1/2 5/8	RED RED	17.8	22.2	66 74	28 28	32.4 32.4	4.2 4.2	13 17	13.2 13.2	27 35	11	I=REC-5510 DIE.UL222	2	26mm 26mm
L 038 L 039	400	1/2 5/8	BLUE BLUE	19.4	24.1	78.2	30	35.2	4.5	13 17	13.2	35	13	I=REC-5510 DIE.UL241	2	28mm
L 040 L 041	500	1/2 5/8	BROWN BROWN	21.2	27	83.2	35	39.1	5.5	13 17	13.2 13.2	35	13	I=REC-5510 DIE.UL270	2	32mm
L 042 L 042A L 042AR L 042BR	600	5/8 1/2 5/8 1/2	GREEN GREEN GREEN GREEN	23.5 23.5 23.5 23.5	30.2 30.2 30.2 30.2	89 87 101 101	38 38 35 35	43.6 43.6 43.7 43.7	6.4 6.4 6.75 6.75	17 13 17 13	17.5 13.2 22.2 22.2	37 37 45 45	14 14 21 21	I=REC-5510 DIE.UL302	3	35mm 35mm 35mm 35mm
L 043	750	5/8	BLACK	26.2	33.3	111	47	48.3	6.8	17	17.5	47	17	I=REC-5510 DIE.UL333	3	44mm

Terminals can be provided with or without inspection vents.



**COPPER TWO HOLE SHORT BARREL SERIES COLOR CODED**

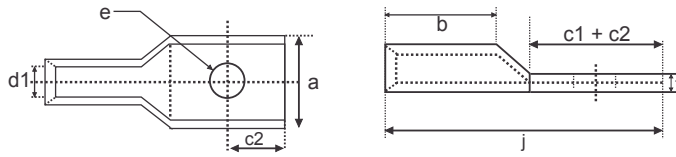
File No.: E532905

CAT NO.	Wire Range	Stud Size	Hole Spacing	Colour Code	d1	j	b	a	f	e	c2	c1 + c2	s	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 044	8	10	5/8	RED	4.4	46.2	11.2	10.7	2	5.3	7.1	32	15.90	M=MH14	2	10mm
L 045	6	1/4	5/8	BLUE	5.2	53	18	10.7	2.1	6.4	7.1	32	15.90	M=MH14	2	16mm
L 045A	6	1/4	1		5.2	67	18	10.7	2.1	6.4	7.1	46	25.40			
L 045B	6	3/8	1		5.2	67	18	12.4	2.2	10.5	9.7	46	25.40			
L 046	4	1/4	5/8	GREY	6.4	53	18	12.4	2.2	6.4	7.1	32	15.90	M=MH14	2	17mm
L 046A	4	1/4	1		6.4	68	19	12.4	2.2	6.4	7.1	46	25.40			
L 046B	4	3/8	1		6.4	68	19	12.4	2.2	10.5	9.7	46	25.40			
L 047	2	5/16	3/4	BROWN	8	66.6	21	15.3	2.6	8.4	8.1	41	19.10	I=ECO50 DIE.UL107	1	19mm
L 047A	2	1/4	5/8		8	58	21	15.3	2.6	6.4	7.1	32	15.90			
L 047B	2	3/8	1		8	72	21	15.3	2.6	10.5	7.1	46	25.40			
L 047C	2	1/4	3/4		8	60	21	15.3	2.6	6.4	7.1	35	19.10			
L 047D	2	1/4	1		8	71	21	15.3	2.6	6.4	7.1	46	25.40			
L 048	1	1/4	5/8	GREEN	9.1	58	21	17.1	2.7	6.4	7.1	32	15.90	I=ECO50 DIE.UL119	1	19mm
L 049	1/0	5/16	7/8	PINK	9.9	67.1	21	18.9	3.2	8.4	8.1	41.1	22.20	I=ECO50 DIE.UL132	1	19mm
L 050	1/0	3/8	1		9.9	72	21	18.9	3.2	10.5	9.7	46	25.40			
L 051	2/0	3/8	1	BLACK	11.2	76	24	20.7	3	10.5	9.7	46	25.40	I=ECO50 DIE.UL143	1	22mm
L 052	2/0	1/2	1 3/4		11.2	106	24	20.7	3	13	15.7	76	44.50			
L 053	3/0	1/2	1 3/4	ORANGE	12.5	109	25	22.9	3.2	13	15.7	76	44.50	I=ECO50 DIE.UL158	2	23mm
L 053A	3/0	3/8	1		12.5	79	25	22.9	3.2	10.5	9.7	46	25.40			
L 054	4/0	1/2	1 3/4	PURPLE	13.9	109	25	25.4	3.4	13	15.7	76	44.50	I=ECO50 DIE.UL175	2	23mm
L 055	4/0	3/8	1		13.9	79	25	25.4	3.4	10.5	9.7	46	25.40			
L 056	250	1/2	1 3/4	YELLOW	15.1	112	27	27.7	3.8	13	15.7	76	44.50	I=REC-5510 DIE.UL190	2	25mm
L 056A	250	3/8	1		15.1	82	27	27.7	3.8	10.5	9.7	46	25.40			
L 057	300	1/2	1 3/4	WHITE	16.7	112	27	30.2	3.8	13	15.7	76	44.50	I=REC-5510 DIE UL207	2	25mm
L 058	350	1/2	1 3/4	RED	17.8	115	28	32.4	4.2	13	15.7	76	44.50	I=REC-5510 DIE.UL222	2	26mm
L 058A	350	3/8	1		17.8	85	28	32.4	4.2	10.5	9.7	46	25.40			
L 059	400	1/2	1 3/4	BLUE	19.4	119	30	35.2	4.5	13	15.7	76	44.50	I=REC-5510 DIE.UL241	2	28mm
L 059R	400	1/2	1 3/4			122		35.7	4.7		13.5	73	44.50			
L 060	500	1/2	1 3/4	BROWN	21.3	124	35	39.1	5.5	13	15.7	76	44.50	I=REC-5510 DIE.UL270	2	33mm
L 060A	500	3/8	1		21.3	94	35	39.1	5.5	10.5	9.7	46	25.40			
L 061	600	3/8	1 3/4	GREEN	23.5	126	38	43.6	6.4	13	15.7	76	44.50	I=REC5510 DIE.UL300	2	36mm
L 062	600	1/2	1 3/4		23.5	128	38	43.6	6.4	13	15.7	76	44.50			36mm
L 062R	600	1/2	1 3/4		23.5	129	35	43.7	6.75	13	13.5	73	44.50			33mm
L 062AR	600	3/8	1 3/4		23.5	104	36	43.7	6.75	10.5	9.7	47	25.40			34mm
L 062BR	650	1/2	1 3/4		24.75	129	35	45.2	6.75	13	13.5	73	44.50			I=REC-5510 DIE.UL315
L 063	750	1/2	1 3/4	BLACK	26.5	140	47	48.3	6.8	13	15.7	76	44.50	I=REC-5510 DIE.UL333	2	45mm

Terminals can be provided with or without inspection vents.



COPPER SINGLE HOLE LONG BARREL SERIES COLOR CODED



File No.: E532905

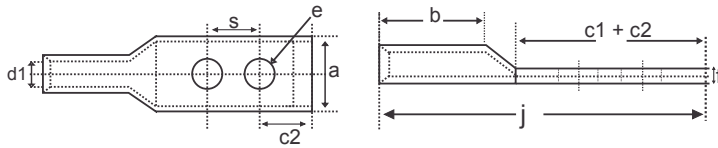
CAT NO.	Wire Range	Stud Size	Colour Code	d1	j	b	a	f	e	c2	c1 + c2	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 064	8	1/4	RED	4.4	38.5	20.5	10.7	2	6.4	7	15	M=MH14	2	18mm
L 065	6	1/4	BLUE	5.2	45	25	10.7	2.1	6.4	7.5	17	M=MH14	2	22mm
L 065A	6	3/8	BLUE		48.6	25	15	2.1	10.5	9.4	20.6			22mm
L 065B	6	5/16	BLUE											
L 065C	6	10	BLUE		45	25	10.7	2.1	5.3	7.5	17			22mm
L 066	4	1/4	GREY	6.4	45	25	12.4	2.2	6.4	8	17	M=MH14	2	22mm
L 066A	4	3/8	GREY		48.6	25	15	2.2	10.5	9.4	20.6			22mm
L 066B	4	5/16	GREY		45	25	12.4	2.2	8.4	8	17			22mm
L 066C	4	10	GREY		45	25	12.4	2.2	5.3	8	17			22mm
L 067	2	5/16	BROWN	8	52.6	28	15.3	2.6	8.4	9.4	20.6	I=ECO50 DIE.UL107	2	26mm
L 067A	2	3/8	BROWN	8	52.6	28	15.3	2.6	10.5	9.4	20.6			26mm
L 067B	2	1/4	BROWN	8	52.6	28	15.3	2.6	6.4	9.4	20.6			26mm
L 068	1	5/16	GREEN	9.1	53.6	28	17.1	2.7	8.4	9.4	20.6	I=ECO50 DIE.UL119	2	26mm
L 068A	1	3/8	GREEN	9.1	53.6	28	17.1	2.7	10.5	9.4	20.6			26mm
L 069	1/0	5/16	PINK	9.9	56.1	30.5	18.9	3.2	8.4	9.4	20.6	I=ECO50 DIE.UL132	2	28mm
L 070	1/0	3/8	PINK						10.5					
L 070A	1/0	1/2	PINK		63.5	30.5	18.9	3.2	13	12	27			28mm
L 071	2/0	3/8	BLACK	11.2	68	35	20.7	3	10.5	12	27	I=ECO50 DIE.UL143	2	32mm
L 071A	2/0	1/2	BLACK		68	35	20.7	3	13	12	27			32mm
L 072	3/0	1/2	ORANGE	12.5	71	35	22.9	3.2	13	12	27	I=ECO50 DIE.UL158	2	32mm
L 072A	3/0	3/8	ORANGE	12.5	71	35	22.9	3.2	10.5	12	27			32mm
L 073	4/0	1/2	PURPLE	13.9	71	36	25.4	3.4	13	13.2	27	I=ECO50 DIE.UL175	2	32mm
L 073A	4/0	3/8	PURPLE		71	36	25.4	3.4	10.5	13.2	27			32mm
L 074	250	1/2	YELLOW	15.1	77	41	27.7	3.8	13	13.2	27	I=ECO50 DIE.UL191	2	38mm
L 074A	250	3/8	YELLOW	15.1	77	41	27.7	3.8	10.5	13.2	27			38mm
L 075	300	1/2	WHITE	16.7	86	50	30.2	3.8	13	13.2	27	I=REC-5510 DIE.UL207	3	47mm
L 076	350	1/2	RED	17.8	88	50	32.4	4.2	13	13.2	27	I=REC-5510 DIE.UL222	3	47mm
L 076A	350	5/8	RED		88	50	32.4	4.2	17	13	27			47mm
L 077	400	1/2	BLUE	19.4	98	50	35.2	4.5	13	13	35	I=REC-5510 DIE.UL241	4	47mm
L 078	400	5/8	BLUE						17					
L 079	500	1/2	BROWN	21.2	105	57	39.1	5.5	13	13	35	I=REC-5510 DIE.UL270	4	55mm
L 080	500	5/8	BROWN						17					
L 081	600	5/8	GREEN	23.5	108	57	43.6	6.4	17	17.5	37	I=REC-5510 DIE.UL300	4	55mm
L 082	750	5/8	BLACK	26.2	131	67	48.3	6.8	17	17.5	47	I=REC-5510 DIE.UL333	4	65mm

Terminals can be provided with or without inspection vents.





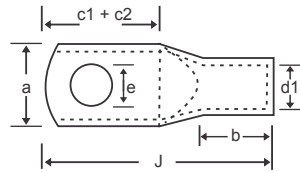
COPPER TWO HOLE LONG BARREL SERIES COLOR CODED



File No.: E532905

CAT NO.	WIRE RANGE	STUD SIZE	HOLE SPACING	COLOUR CODE	d1	j	b	a	f	e	c2	c1 + c2	s	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 083	8	10	5/8	RED	4.4	55.5	20.5	10.7	2	5.3	7.1	32	15.90	M=MH14	2	18mm
L 084	8	1/4	5/8	RED	4.4	55.5	20.5	10.7	2	6.4	7.1	32	15.90			18mm
L 085	6	1/4	5/8	BLUE	5.2	60	25	10.7	2.1	6.4	7.1	32	15.90	M=MH14	2	22mm
L 085A	6	1/4	1/2	BLUE	5.2	57	25	10.7	2.1	6.4	7.1	29	12.70			22mm
L 085B	6	1/2	1 3/4	BLUE	5.2	104	25	22.2	3	13	15.7	76	44.50			22mm
L 085C	6	1/4	3/4	BLUE	5.2	63	25	10.7	2.1	6.4	7.1	35	19.10			22mm
L 085D	6	3/8	1	BLUE	5.2	74	25	10.7	2.1	10.5	9.7	46	25.40			22mm
L 086	4	1/4	5/8	GREY	6.4	60	25	12.4	2.2	6.4	7.1	32	15.90	M=MH14	2	22mm
L 086A	4	3/8	1	GREY	6.4	75	25	10.7	2.2	10.5	9.7	46	25.40			22mm
L 086B	4	1/4	3/4	GREY	6.4	64	25	12.4	2.2	6.4	7.1	35	19.10			22mm
L 087	4	1/2	1 3/4	GREY	6.4	104	25	22	3	13	15.7	76	44.50			22mm
L 088	2	5/16	3/4	BROWN	8	73	28	15.3	2.6	8.4	8.1	41	19.10	I=ECO50 DIE.UL107	2	26mm
L 088A	2	3/8	1	BROWN	8	78	28	15.3	2.6	10.5	9.7	46	25.40			26mm
L 088B	2	1/4	5/8	BROWN	8	64	28	15.3	2.6	6.4	7.1	32	15.90			26mm
L 088C	2	1/4	3/4	BROWN		67	28	15.3	2.6	6.4	7.1	35	19.10			26mm
L 089	2	5/16	7/8	BROWN	8	73	28	15.3	2.6	8.4	8.1	41	22.20			26mm
L 090	2	1/2	1 3/4	BROWN	8	108	28	20.5	2.5	13	15.7	76	44.50			26mm
L 091	1	1/4	5/8	GREEN	9.1	65	28	17.1	2.7	6.4	7.1	32	15.90	I=ECO50 DIE.UL119	2	26mm
L 091A	1	3/8	1	GREEN	9.1	78	28	17.1	2.7	10.5	9.7	46	25.40			26mm
L 091B	1	1/4	3/4	GREEN	9.1	68	28	17.1	2.7	6.4	7.1	35	19.10			26mm
L 092	1	3/8	7/8	GREEN	9.1	74.5	28	17.1	2.7	8.4	8.1	41	22.20			26mm
L 093	1	1/2	1 3/4	GREEN	9.1	109	28	19	2.5	13	15.7	76	44.50			26mm
L 094	1/0	5/16	7/8	PINK	9.9	76.5	30.5	18.9	3.2	8.4	8.1	41	22.20	I=ECO50 DIE.UL132	2	28mm
L 095	1/0	3/8	1	PINK	9.9	81.5	30.5	18.9	3.2	10.5	9.7	46	25.40			28mm
L 096	1/0	1/2	1 3/4	PINK	9.9	117.7	30.5	18.9	3.1	13	15.7	76	44.50			28mm
L 097	2/0	3/8	1	BLACK	11.2	87	35	20.7	3	10.5	9.7	46	25.40	I=ECO50 DIE.UL143	2	33mm
L 097A	2/0	1/4	3/4	BLACK	11.2	76	35	20.7	3	6.4	7.1	35	19.10			33mm
L 098	2/0	1/2	1 3/4	BLACK	11.2	117	35	20.7	3	13	15.7	76	44.50			33mm
L 099	3/0	5/16	1	ORANGE	12.5	89	35	22.9	3.2	8.4	8.1	46	25.40	I=ECO50 DIE.UL158	2	33mm
L 099A	3/0	3/8	1	ORANGE	12.5	89	35	22.9	3.2	10.5	9.7	46	25.40			33mm
L 100	3/0	3/8	1 3/4	ORANGE	12.5	118	35	22.9	3.2	10.5	9.7	76	44.50			33mm
L 100A	3/0	1/2	1 3/4	ORANGE	12.5	118	35	22.9	3.2	13	15.7	76	44.50			33mm
L 101	4/0	3/8	1	PURPLE	13.9	90	36	25.4	3.4	10.5	9.7	46	25.40	I=ECO50 DIE.UL175	2	34mm
L 102	4/0	1/2	1 3/4	PURPLE	13.9	120	36	25.4	3.4	13	15.7	76	44.50			34mm
L 103	250	3/8	1	YELLOW	15.1	96	41	27.7	3.8	10.5	9.7	46	25.40	I=ECO50 DIE.UL191	3	39mm
L 104	250	1/2	1 3/4	YELLOW	15.1	126	41	27.7	3.8	13	15.7	76	44.50			39mm
L 105	300	1/2	1 3/4	WHITE	16.7	135	50	30.2	3.8	13	15.7	76	44.50	I=REC-5510 DIE.UL207	3	48mm
L 106	350	1/2	1 3/4	RED	17.8	137	50	32.4	4.2	13	15.7	76	44.50	I=REC-5510 DIE.UL222	3	48mm
L 106A	350	3/8	1	RED	17.8	107	50	32.4	4.2	10.5	9.7	46	25.40			48mm
L 107	400	1/2	1 3/4	BLUE	19.4	139	50	35.2	4.5	13	15.7	76	44.50	I=REC-5510 DIE.UL241	3	48mm
L 108	500	1/2	1 3/4	BROWN	21.3	146	57	39.1	5.5	13	15.7	76	44.50	I=REC-5510 DIE.UL270	3	55mm
L 108A	500	3/8	1	BROWN	21.3	116	57	39.1	5.5	10.5	9.7	46	25.40			55mm
L 109	600	1/2	1 3/4	GREEN	23.5	147	57	43.6	6.4	13	15.7	76	44.50	I=REC-5510 DIE.UL302	3	55mm
L 109A	600	3/8	1	GREEN	23.5	117	57	43.6	6.4	10.5	9.7	46	25.40			55mm
L 110	750	1/2	1 3/4	BLACK	26.5	160	67	48.3	6.8	13	15.7	76	44.50	I=REC-5510 DIE.UL333	3	65mm
L 110A	750	3/8	1	BLACK	26.5	130	67	48.3	6.8	10.5	9.7	46	25.40			65mm



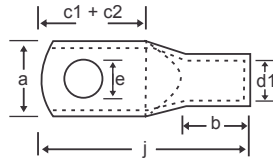
**COPPER SINGLE HOLE TERMINAL
HEAVY DUTY SERIES**

File No.: E532905

PART NO COPPER FINISH	PART NO TIN PLATED	CABLE	STUD	d1	j	a	c1 + c2	b	e	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 301	L 301T	8	1/4"	4.72	32.00	11.58	17.15	13.97	6.40	M=MH-14	2	10mm
L 301A	L 301AT	8	10	4.72	32.00	11.58	17.15	13.97	5.31			10mm
L 302	L 302T	8	5/16"	4.72	32.00	11.58	17.15	13.97	8.41			10mm
L 303	L 303T	8	3/8"	4.72	35.18	14.48	17.15	13.97	10.49			10mm
L 304	L 304	8	1/2"	4.72	42.55	16.50	20.62	13.97	13.00			10mm
L 305	L 305T	6	1/4"	5.89	32.64	13.72	17.78	13.97	6.40	M=MH-14	1	10mm
L 305A	L 305AT	6	10	5.89	32.64	13.72	17.78	13.97	5.31			10mm
L 306	L 306T	6	5/16"	5.89	32.64	13.72	17.78	13.97	8.41			10mm
L 307	L 307T	6	3/8"	5.89	32.64	13.72	17.78	13.97	10.49			10mm
L 308	L 308T	6	1/2"	5.89	42.55	16.50	20.62	13.97	13.00			10mm
L 309	L 309T	4	1/4"	7.14	40.64	13.72	20.32	14.73	6.40	I=ECO50 DIE.UL904	1	12mm
L 309A	L 309AT	4	10	7.14	40.64	13.72	20.32	14.73	5.31			12mm
L 310	L 310T	4	5/16"	7.14	40.64	13.72	20.32	14.73	8.41			12mm
L 311	L 311T	4	3/8"	7.14	40.64	14.48	20.32	14.73	10.49			12mm
L 312	L 312T	4	1/2"	7.14	40.64	16.50	20.32	14.73	13.00			12mm
L 313	L 313T	2	1/4"	8.43	45.40	16.51	19.61	17.50	6.40	I=ECO50 DIE.UL106	1	15mm
L 314	L 314T	2	5/16"	8.43	45.40	16.51	19.61	17.50	8.41			15mm
L 315	L 315T	2	3/8"	8.43	45.40	16.51	19.61	17.50	10.49			15mm
L 316	L 316T	2	1/2"	8.43	45.40	16.51	19.61	17.50	13.00			15mm
L 317	L 317T	1	1/4"	8.94	46.00	16.70	17.53	18.00	6.40	I=ECO50 DIE.UL111	1	16mm
L 318	L 318T	1	5/16"	8.94	46.00	16.70	17.53	18.00	8.41			16mm
L 319	L 319T	1	3/8"	8.94	46.00	16.70	17.53	18.00	10.49			16mm
L 320	L 320T	1	1/2"	8.94	46.00	16.70	17.53	18.00	13.00			16mm
L 321	L 321T	1/0	1/4"	10.19	49.50	18.50	21.34	19.30	6.40	I=ECO50 DIE.UL126	1	18mm
L 322	L 322T	1/0	5/16"	10.19	49.50	18.50	21.34	19.30	8.41			18mm
L 323	L 323T	1/0	3/8"	10.19	49.50	18.50	21.34	19.30	10.49			18mm
L 324	L 324T	1/0	1/2"	10.19	49.50	18.50	21.34	19.30	13.00			18mm
L 325	L 325T	2/0	1/4"	11.58	57.00	20.83	24.38	21.00	6.40	I=ECO50 DIE.UL142	1	19mm
L 326	L 326T	2/0	5/16"	11.58	57.00	20.83	24.38	21.00	8.41			19mm
L 327	CE 327T	2/0	3/8"	11.58	57.00	20.83	24.38	21.00	10.49			19mm
L 328	CE 328T	2/0	1/2"	11.58	57.00	20.83	24.38	21.00	13.00			19mm
L 329	CE 329T	3/0	1/4"	12.93	59.00	22.96	25.04	21.46	6.40	I=ECO50 DIE.UL156	1	19mm
L 330	CE 330T	3/0	1/2"	12.93	59.00	22.96	25.04	21.46	13.00			19mm
L 331	CE 331T	4/0	3/8"	14.94	66.29	26.31	28.40	23.11	10.49	I=ECO50 DIE.UL176	2	21mm
L 332	CE 332T	4/0	1/2"	14.94	66.29	26.31	28.40	23.11	13.00			21mm

Terminals can be provided with or without inspection vents.



**COPPER SINGLE HOLE
HEAVY DUTY SERIES**

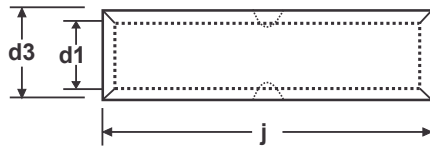
File No.: E532905

CAT NO:	WIRE	STUD	d1	j	a	c1 + c2	b	e	MARKING INFO	TOOL & DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 801HD	8	1/4	4.70	28.50	11.99	14.00	10.01	6.40	8 MH14-RED	M=MH-14	1	8mm
L 802HD	8	5/16	4.70	35.00	15.01	20.00	10.01	8.40	8 MH14-RED			8mm
L 803HD	8	3/8	4.70	38.99	16.99	24.00	10.01	10.50	8 MH14-RED			8mm
L 804HD	8	1/2	4.70	42.01	19.00	26.01	10.01	13.00	8 MH14-RED			8mm
L 811HD	6	1/4	5.41	33.25	11.99	13.74	13.00	6.40	6 UL851-BU			11mm
L 812HD	6	5/16	5.41	37.49	15.01	18.03	13.00	8.40	6 UL851-BU	I=ECO50 DIE.UL851	1	11mm
L 813HD	6	3/8	5.41	41.50	16.99	22.00	13.00	10.50	6 UL851-BU			11mm
L 814HD	6	1/2	5.41	44.98	19.00	24.99	13.00	13.00	6 UL851-BU			11mm
L 821HD	4	1/4	6.96	37.49	14.00	15.01	15.01	6.40	4 UL100-GREY		1	14mm
L 822HD	4	5/16	6.96	42.01	18.00	20.00	15.01	8.40	4 UL100-GREY	I=ECO50 DIE.UL100		14mm
L 823HD	4	3/8	6.96	46.00	18.00	23.98	15.01	10.50	4 UL100-GREY			14mm
L 824HD	4	1/2	6.96	48.01	19.00	26.01	15.01	13.00	4 UL100-GREY			14mm
L 831HD	2	1/4	9.88	47.02	20.00	20.00	20.00	6.40	1UL140-PINK			18mm
L 832HD	2	5/16	9.88	47.02	20.00	20.00	20.00	8.40	1UL140-PINK	I=ECO50 DIE UL140	1	18mm
L 833HD	2	3/8	9.88	51.00	19.99	24.00	20.00	10.50	1UL140-PINK			18mm
L 834HD	2	1/2	9.88	56.01	23.01	26.01	20.00	13.00	1UL140-PINK			18mm
L 851HD	1/0	1/4	11.38	50.01	22.00	20.00	20.00	6.40	1/0 UL155-BLK			18mm
L 852HD	1/0	5/16	11.38	50.01	22.00	20.00	20.00	8.40	1/0 UL155-BLK	I=ECO50 DIE UL155	1	18mm
L 853HD	1/0	3/8	11.38	54.00	22.00	24.00	20.00	10.50	1/0 UL155-BLK			18mm
L 854HD	1/0	1/2	11.38	58.01	23.01	26.01	20.00	13.00	1/0 UL155-BLK			18mm
L 862HD	2/0	5/16	11.94	52.40	23.01	20.00	21.01	8.40	2/0 UL165-ORG			20mm
L 863HD	2/0	3/8	11.94	55.01	23.01	24.00	21.01	10.50	2/0 UL165-ORG	I=ECO50 DIE UL165	1	20mm
L 864HD	2/0	1/2	11.94	59.00	23.01	26.01	21.01	13.00	2/0 UL165-ORG			20mm
L 873HD	3/0	3/8	13.39	59.99	26.01	24.00	24.99	10.50	3/0 UL180-PUR			23mm
L 874HD	3/0	1/2	13.39	62.00	26.01	26.01	24.99	13.00	3/0 UL180-PUR	I=ECO50 DIE UL180	2	23mm
L 883HD	4/0	3/8	15.06	65.00	27.99	27.99	26.01	10.50	4/0 UL195-YEL			24mm
L 884HD	4/0	1/2	15.06	65.00	27.99	27.99	26.01	13.00	4/0 UL195-YEL	I=ECO50 DIE UL195	2	24mm

Terminals can be provided with or without inspection vents.



**COPPER BUTT SPLICES (SHORT & LONG)
COLOR CODED**



LISTED

File No.: E532905

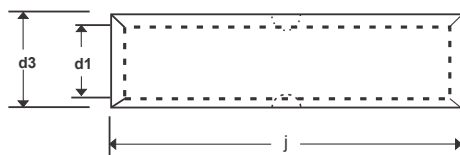
CAT. NO.	WIRE RANGE	COLOUR CODE	d1	d3	j	TOOL RECOMMENDED DIE REFERENCE	NUMBER OF CRIMPS	STRIP LENGTH
L 111	8	RED	4.4	6.9	22.9	M=MH14	2	10mm
L 112	6	BLUE	5.2	7.5	25.4	M=MH14	2	12mm
L 113	4	GREY	6.4	8.7	25.4	M=MH14	2	12mm
L 114	2	BROWN	8	10.7	31.8	I=ECO50 DIE.UL 107	3	15mm
L 115	1	GREEN	9.1	11.9	45.7	I=ECO50 DIE.UL 119	3	21mm
L 116	1	PINK	9.9	13.2	40.6	I=ECO50 DIE.UL 132	3	18mm
L 117	2/0	BLACK	11.2	14.3	44.5	I=ECO50 DIE.UL 143	3	20mm
L 118	3/0	ORANGE	12.5	15.8	44.5	I=ECO50 DIE.UL 158	3	20mm
L 119	4/0	PURPLE	13.9	17.5	48.3	I=ECO50 DIE.UL 175	3	23mm
L 120	250	YELLOW	15.1	19.1	50.8	I=ECO50 DIE.UL 191	3	24mm
L 121	300	WHITE	16.7	20.7	53.3	I=ECO50 DIE.UL 207	3	25mm
L 122	350	RED	17.8	22.2	53.3	I=ECO50 DIE.UL 222	3	25mm
L 123	400	BLUE	19.4	24.1	58.4	I=ECO50 DIE.UL 241	3	27mm
L 124	500	BROWN	21.2	27	63.5	I=ECO50 DIE.UL 270	4	30mm
L 125	600	GREEN	23.5	30.2	63.5	I=ECO50 DIE.UL 302	4	30mm
L 126	750	BLACK	26.2	33.3	81.3	I=ECO50 DIE.UL 333	4	40mm
L 127	8	RED	4.4	6.9	44.5	M=MH14	2	20mm
L 128	6	BLUE	5.2	7.5	44.5	M=MH14	2	20mm
L 129	4	GREY	6.4	8.7	44.5	M=MH14	2	20mm
L 130	2	BROWN	8	10.7	48.3	I=ECO50 DIE.UL 107	3	22mm
L 131	1	GREEN	9.1	11.9	55.9	I=ECO50 DIE.UL 119	3	26mm
L 132	1/0	PINK	9.9	13.2	55.9	I=ECO50 DIE.UL 132	3	26mm
L 133	2/0	BLACK	11.2	14.3	57.2	I=ECO50 DIE.UL 143	3	28mm
L 134	3/0	ORANGE	12.5	15.8	57.2	I=ECO50 DIE.UL 158	3	28mm
L 135	4/0	PURPLE	13.9	17.5	69.9	I=ECO50 DIE.UL 175	3	33mm
L 136	250	YELLOW	15.1	19.1	82.6	I=ECO50 DIE.UL 191	3	40mm
L 137	300	WHITE	16.7	20.7	89	I=ECO50 DIE.UL 207	3	43mm
L 138	350	RED	17.8	22.2	95.3	I=ECO50 DIE.UL 222	3	46mm
L 139	400	BLUE	19.4	24.1	95.3	I=ECO50 DIE.UL 241	3	46mm
L 140	500	BROWN	21.2	27	108	I=ECO50 DIE.UL 270	4	52mm
L 141	600	GREEN	23.5	30.2	114.3	I=ECO50 DIE.UL 302	4	55mm
L 142	750	BLACK	26.2	33.3	120.7	I=ECO50 DIE.UL 333	4	57mm

Connectors can be provided with dimple, v-knotch or straight inspection vents.





COPPER BUTT SPLICE CONNECTOR COLOR CODED

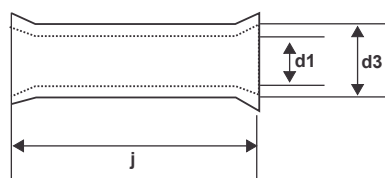


File No.: E532905

PART NO.	CABLE SIZE	d1	d3	j	MARKING INFORMATION	TOOL RECOMMENDED DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
L 900	8	4.70	7.01	30.00	8 MH14 -RED	M=MH14	3	13mm
L 910	6	5.41	8.51	35.00	6 MH14-BLU	M=MH14	3	15mm
L 920	4	6.96	10.00	40.00	4 UL 100-GREY	I=ECO50 DIE.UL100	4	18mm
L 940	1	9.88	14.00	50.00	1-UL 140-PINK	I=ECO50 DIE.UL140	4	24mm
L 950	1/0	11.36	15.50	50.00	2/0 UL155-BLK	I=ECO50 DIE.UL155	4	24mm
L 960	2/0	11.95	16.61	55.00	2/0 UL166-ORG	I=ECO50 DIE.UL166	4	26mm
L 970	3/0	13.39	18.00	60.00	3/0 UL180-PUR	I=ECO50 DIE.UL180	4	28mm
L 980	4/0	15.06	19.51	65.00	4/0 UL194-YEL	I=ECO50 DIE.UL195	4	32mm

Connectors can be provided with dimple, v-knotch or straight inspection vents.

COPPER IN LINE CONNECTOR-FLARED MOUTH SERIES

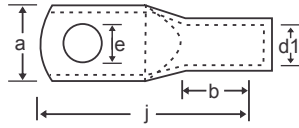


File No.: E532905

PART NO COPPER FINISH	PART NO TIN FINISH	WIRE RANGE	DIMENSIONS IN INCHES			TOOL RECOMMENDED DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
			d1	d3	j			
CE 333	CE 333 T	8	4.7244	6.350	27.940	M=MH14	4	12mm
CE 334	CE 334 T	6	5.5928	7.925	29.210	M=MH14	4	14mm
CE 335	CE 335 T	4	7.1374	9.042	30.988	M=MH14	4	14mm
CE 336	CE 336 T	2	8.4328	10.668	34.036	IZ=ECO50 DIE.UL106	2	16mm
CE 337	CE 337 T	1	8.9408	11.176	34.036	IZ=ECO50 DIE.UL111	2	16mm
CE 338	CE 338 T	1/0	10.1854	12.649	39.624	IZ=ECO50 DIE.UL126	2	18mm
CE 339	CE 339 T	2/0	11.5824	14.224	45.974	IZ=ECO50 DIE.UL142	2	20mm
CE 340	CE 340 T	3/0	12.9286	15.621	48.260	IZ=ECO50 DIE.UL156	2	22mm
CE 341	CE 341 T	4/0	14.9352	17.628	62.484	IZ=ECO50 DIE.UL176	2	26mm



**COPPER SINGLE HOLE
STANDARD BARREL SERIES**



File No.: E532905

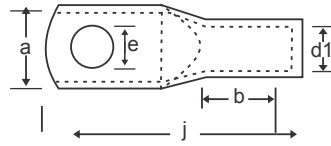
CAT NO.	CABLE SIZE	e	b	a	d1	j	TOOL RECOMMENDED DIE REFERENCE	NUMBER OF CRIMPS	STRIP LENGTH
LDL 6 - 5	8	M 5	10	8.5	3.8	30.5	M=MH14	1	8mm
LDL 6 - 6	8	M 6	10	8.5	3.8	31.5			
LDL 6 - 8	8	M 8	10	13.0	3.8	34.0			
LDL 10 - 5	6	M 5	10	9.0	4.5	34.0	M=MH14	1	8mm
LDL 10 - 6	6	M 6	10	9.0	4.5	34.5			
LDL 10 - 8	6	M 8	10	13.0	4.5	37.0			
LDL 16 - 6	6	M 6	20	13.0	5.5	43.5	M=MH14	1	18mm
LDL 16 - 8	6	M 8	20	13.0	5.5	46.0			
LDL 16-10	6	M10	20	17.0	5.5	48.0			
LDL 16-12	6	M12	20	18.0	5.5	49.0			
LDL 25 - 6	4	M 6	20	14.0	7.0	45.5	I=ECO50 DIE.UL100	1	18mm
LDL 25 - 8	4	M 8	20	16.0	7.0	48.0			
LDL 25-10	4	M10	20	17.0	7.0	50.0			
LDL 25-12	4	M12	20	19.0	7.0	51.0			
LDL 35 - 6	2	M 6	20	17.0	8.2	49.5	I=ECO50 DIE.UL125	1	18mm
LDL 35 - 8	2	M 8	20	17.0	8.2	52.0			
LDL 35-10	2	M10	20	19.0	8.2	54.0			
LDL 35-12	2	M12	20	21.0	8.2	55.0			
LDL 35-14	2	M14	20	21.0	8.2	56.5			
LDL 50 - 8	1	M 8	28	20.0	10.0	62.0	I=ECO50 DIE.UL145	2	26mm
LDL 50-10	1	M10	28	22.0	10.0	64.0			
LDL 50-12	1	M12	28	24.0	10.0	65.0			
LDL 50-14	1	M14	28	24.0	10.0	66.5			
LDL 50-16	1	M16	28	28.0	10.0	68.0			
LDL 70 - 8	2/0	M 8	28	24.0	11.5	65.0	I=ECO50 DIE.UL165	2	26mm
LDL 70-10	2/0	M10	28	24.0	11.5	67.0			
LDL 70-12	2/0	M12	28	24.0	11.5	68.0			
LDL 70-14	2/0	M14	28	24.0	11.5	69.5			
LDL 70-16	2/0	M16	28	30.0	11.5	71.0			
LDL 95 - 8	3/0	M 8	35	28.0	13.5	77.0	I=ECO50 DIE.UL190	2	33mm
LDL 95-10	3/0	M10	35	28.0	13.5	77.0			
LDL 95-12	3/0	M12	35	28.0	13.5	78.0			
LDL 95-14	3/0	M14	35	28.0	13.5	79.5			
LDL 95-16	3/0	M16	35	32.0	13.5	81.0			
LDL 120 - 10	250 MCM	M10	35	32.0	15.5	85.0	I=ECO50 DIE.UL210	2	33mm
LDL 120 - 12	250 MCM	M12	35	32.0	15.5	86.0			
LDL 120 - 14	250 MCM	M14	35	32.0	15.5	88.0			
LDL 120 - 16	250 MCM	M16	35	34.0	15.5	89.0			
LDL 120 - 20	250 MCM	M20	35	38.0	15.5	91.0			
LDL 150 - 10	300 MCM	M10	35	34.0	17.0	93.0	I=REC-5510 DIE.UL235	2	33mm
LDL 150 - 12	300 MCM	M12	35	34.0	17.0	94.0			
LDL 150 - 14	300 MCM	M14	35	34.0	17.0	97.0			
LDL 150 - 16	300 MCM	M16	35	34.0	17.0	97.0			
LDL 150 - 20	300 MCM	M20	35	40.0	17.0	99.0			
LDL 185 - 10	400 MCM	M10	40	37.0	19.0	97.0	I=REC-5510 DIE.UL255	2	38mm
LDL 185 - 12	400 MCM	M12	40	37.0	19.0	98.0			
LDL 185 - 14	400 MCM	M14	40	37.0	19.0	101.0			
LDL 185 - 16	400 MCM	M16	40	37.0	19.0	101.0			
LDL 185 - 20	400 MCM	M20	40	40.0	19.0	103.0			
LDL 240 - 12	500 MCM	M12	40	42.0	21.5	108.0	I=REC-5510 DIE.UL290	2	38mm
LDL 240 - 14	500 MCM	M14	40	42.0	21.5	111.0			
LDL 240 - 16	500 MCM	M16	40	42.0	21.5	111.0			
LDL 240 - 20	500 MCM	M20	40	45.0	21.5	113.0			
LDL 300 - 14	600 MCM	M14	50	48.0	24.5	119.0	I=REC-5510 DIE.UL320	2	48mm
LDL 300 - 16	600 MCM	M16	50	48.0	24.5	119.0			
LDL 300 - 20	600 MCM	M20	50	48.0	24.5	122.0			
LDL 400 - 14	750 MCM	M14	70	55.0	27.5	140.0	C=CRIMP-FT-1000 DIE H385	3	68mm
LDL 400 - 16	750 MCM	M16	70	55.0	27.5	140.0			
LDL 400 - 20	750 MCM	M20	70	55.0	27.5	140.0			

Terminals can be provided with or without inspection vents.
Dimensions as per DIN-46235





COPPER SINGLE HOLE LONG BARREL SERIES



File No.: 532905

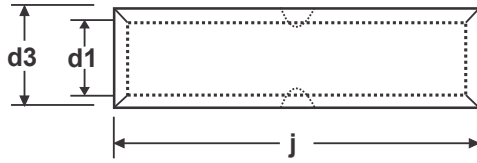
CAT NO	Cable AWG/MCM	e	b	a	d1	j	TOOL RECOMMENDED DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
LLB 1.5 - 5	16	M 5	7	8.0	1.8	18	M=MH14	1	5mm
LLB 1.5 - 6	16	M 6	7	10.0	1.8	20			5mm
LLB 2.5 - 4	14	M 4	7	8.00	2.4	18	M=MH14	1	5mm
LLB 2.5 - 5	14	M 5	7	9.50	1.8	20			5mm
LLB 2.5 - 6	14	M 6	7	10.00	1.8	20			5mm
LLB 2.5 - 8	14	M 8	7	11.00	2.4	24			5mm
LLB 4 - 5	8	M 5	9	9.50	3.1	22	M=MH14	1	8mm
LLB 4 - 6	8	M 6	9	10.00	3.1	22			8mm
LLB 4 - 8	8	M 8	9	11.50	3.1	26			8mm
LLB 6 - 5	6	M 5	9	9.50	3.8	23	M=MH14	1	8mm
LLB 6 - 6	6	M 6	9	11.00	3.8	27			8mm
LLB 6 - 8	6	M 8	9	11.50	3.8	27			8mm
LLB 6 - 10	6	M 10	9	15.00	3.8	32			8mm
LLB 10 - 5	6	M 5	10	11.00	4.7	27	M=MH14	1	9mm
LLB 10 - 6	6	M 6	10	11.50	4.7	27			9mm
LLB 10 - 8	6	M 8	10	13.50	4.7	29			9mm
LLB 10 - 10	6	M 10	10	15.00	4.7	32			9mm
LLB 10 - 12	6	M 12	10	17.00	4.7	37			9mm
LLB 16 - 6	4	M 6	19	11.00	5.5	37	M=MH14	2	17mm
LLB 16 - 8	4	M 8	19	13.50	5.5	39			17mm
LLB 16 - 10	4	M 10	19	15.00	5.5	41	M=MH14	2	17mm
LLB 16 - 12	4	M 12	19	17.00	5.5	46			17mm
LLB 25 - 6	3	M 6	21	13.00	7.1	41	I=ECO50 DIE.UL095	1	19mm
LLB 25 - 8	3	M 8	21	13.50	7.1	41			19mm
LLB 25 - 10	3	M 10	21	15.50	7.1	44			19mm
LLB 25 - 12	3	M 12	21	17.00	7.1	48			19mm
LLB 35 - 6	2	M 6	21	15.50	8.2	44	I=ECO50 DIE.UL112	1	19mm
LLB 35 - 8	2	M 8	21	16.50	8.2	44			19mm
LLB 35 - 10	2	M 10	21	17.00	8.2	46			19mm
LLB 35 - 12	2	M 12	21	18.50	8.2	50			19mm
LLB 50 - 6	2	M 6	22	18.00	9.5	48	I=ECO50 DIE.UL128	1	20mm
LLB 50 - 8	2	M 8	22	18.00	9.5	48			20mm
LLB 50 - 10	2	M 10	22	18.00	9.5	48			20mm
LLB 50 - 12	2	M 12	22	20.00	9.5	52			20mm
LLB 70 - 6	2/0	M 6	24	21.00	11.2	54	I=ECO50 DIE.UL147	1	22mm
LLB 70 - 8	2/0	M 8	24	21.00	11.2	54			22mm
LLB 70 - 10	2/0	M 10	24	21.00	11.2	54			22mm
LLB 70 - 12	2/0	M 12	24	21.00	11.2	54			22mm
LLB 70 - 16	2/0	M 16	24	27.00	11.2	64			22mm
LLB 95 - 6	3/0	M 6	27	25.00	13.4	60	I=ECO50 DIE.UL174	1	25mm
LLB 95 - 8	3/0	M 8	27	25.00	13.4	60			25mm
LLB 95 - 10	3/0	M 10	27	25.00	13.4	60			25mm
LLB 95 - 12	3/0	M 12	27	25.00	13.4	60			25mm
LLB 95 - 16	3/0	M 16	27	28.00	13.4	64			25mm
LLB 120 - 6	250 MCM	M 6	30	29.00	15.6	64	I=ECO50 DIE.UL206	1	28mm
LLB 120 - 8	250 MCM	M 8	30	29.00	15.6	64			28mm
LLB 120 - 10	250 MCM	M 10	30	29.00	15.6	64			28mm
LLB 120 - 12	250 MCM	M 12	30	29.00	15.6	64			28mm
LLB 120 - 16	250 MCM	M 16	30	29.00	15.6	68			28mm
LLB 120 - 20	250 MCM	M 20	30	31.00	15.6	81	I=REC-5510 DIE.UL225	2	28mm
LLB 150 - 10	350 MCM	M 10	30	32.00	16.7	71			28mm
LLB 150 - 12	350 MCM	M 12	30	32.00	16.7	80			28mm
LLB 150 - 16	350 MCM	M 16	30	32.00	16.7	80			28mm
LLB 150 - 20	350 MCM	M 20	30	32.00	16.7	80	I=REC-5510 DIE.UL242	2	28mm
LLB 185 - 10	400 MCM	M 10	32	35.00	18.4	74			30mm
LLB 185 - 12	400 MCM	M 12	32	35.00	18.4	83			30mm
LLB 185 - 16	400MCM	M 16	32	35.00	18.4	83			30mm
LLB 185 - 20	400MCM	M 20	32	38.00	18.4	84	I=REC-5510 DIE.UL282	3	30mm
LLB 240	600 MCM	BLK	38	40.00	21.2	92			36mm
LLB 240 - 12	600 MCM	M 12	38	40.00	21.2	92	I=REC-5510 DIE.UL313	3	36mm
LLB 300	750 MCM	BLK	42	45.00	23.5	101			40mm
LLB 300 - 12	750 MCM	M 12	42	45.00	23.5	101	C=CRIMP-FT-1000-H348	3	40mm
LLB 400	750 MCM	BLK	44	50.00	26.8	114			42mm

Terminals can be provided with or without inspection vents.





COPPER SHORT AND STANDARD BUTT SPLICES



File No.: E532905

CAT. NO.	CABLE AWG/MCM	d1	d3	j	TOOL RECOMMENDED DIE REFERENCE	NO. OF CRIMPS	STRIP LENGTH
LLC 1.5 - 22	16	1.8	3.7	22	M=MH14	4	8mm
LLC 2.5 - 22	14	2.4	4.0	22	M=MH14	4	8mm
LLC 4 - 22	12	3.1	4.8	22	M=MH14	4	8mm
LLC 6 - 22	10	3.8	5.5	22	M=MH14	4	8mm
LLC 10 - 22	6	4.7	7.1	22	M=MH14	4	8mm
LDB 16 - 50	6	5.5	8.5	50	M=MH14	4	20mm
LLC 16 - 44	6	5.5	7.9	44	M=MH14	4	18mm
LDB 25 - 50	4	7.0	10.0	50	I=ECO50 DIE.UL100	4	20mm
LLC 25 - 48	4	7.1	9.5	48	I=ECO50 DIE.UL950	4	18mm
LDB 35 - 50	2	8.2	12.5	50	I=ECO50 DIE.UL125	4	20mm
LLC 35 - 48	2	8.2	11.2	48	I=ECO50 DIE.UL112	4	18mm
LDB 50 - 56	1/0	10.0	14.5	56	I=ECO50 DIE.UL145	4	22mm
LLC 50 - 48	1/0	9.5	12.8	48	I=ECO50 DIE.UL128	4	18mm
LDB 70 - 56	2/0	11.5	16.5	56	I=ECO50 DIE.UL165	4	22mm
LLC 70 - 52	2/0	11.2	14.7	52	I=ECO50 DIE.UL147	4	20mm
LDB 95 - 70	3/0	13.5	19.0	70	I=ECO50 DIE.UL190	4	30mm
LLC 95 - 54	3/0	13.4	17.4	54	I=ECO50 DIE.UL174	4	22mm
LDB 120 - 70	4/0	15.5	21.0	70	I=REC-5510 DIE.UL210	4	30mm
LLC 120 - 66	4/0	15.6	20.6	66	I=REC-5510 DIE.UL206	4	28mm
LDB 150 - 80	300 MCM	17.0	23.5	80	I=REC-5510 DIE.UL235	4	35mm
LLC 150 - 66	300 MCM	16.7	22.5	66	I=REC-5510 DIE.UL225	4	28mm
LDB 185 - 85	350 MCM	19.0	25.5	85	I=REC-5510 DIE.UL255	4	37mm
LLC 185 - 66	350 MCM	18.4	24.2	66	I=REC-5510 DIE.UL242	4	28mm
LDB 240 - 90	500 MCM	21.5	29.0	90	I=REC-5510 DIE.UL290	4	42mm
LLC 240 - 91	500 MCM	21.2	28.2	91	I=REC-5510 DIE.UL282	4	42mm
LDB 300 - 100	600 MCM	24.5	32.0	100	I=REC-5510 DIE.UL320	4	45mm
LLC 300 - 91	600 MCM	23.5	31.3	91	I=REC-5510 DIE.UL313	4	42mm
LDB 400 - 150	750 MCM	27.5	38.5	150	C=CRIMP-FT-1000-DIE-H385	4	70mm
LLC 400 - 91	750 MCM	26.8	34.8	91	C=CRIMP-FT-1000-DIE-H348	4	42mm

Connectors can be provided with dimple, v-knotch or straight inspection vents.





INSTALLATION PROCEDURES FOR COPPER CABLE TERMINALS AND CONNECTORS



File No.: E532905

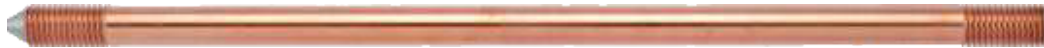
- 1) PRIOR TO JOINT PREPARATION ENSURE ALL CABLES ARE DISCONNECTED FROM LIVE SUPPLY.
- 2) VERIFY THE CONNECTOR SIZE FOR THE CONDUCTOR SIZE TO BE USED.
- 3) REMOVE THE INSULATION FROM THE CONDUCTOR. ENSURE THAT CONDUCTOR STRANDS ARE NOT DISTURBED WHILE STRIPPING. STRIPPING LENGTH IS TO BE IN LINE WITH THE BARREL LENGTH AND EXPOSURE OF THE BARE CONDUCTOR STRANDS TO BE AVOIDED.
- 4) SELECT THE PROPER CRIMPING DIE AS RECOMMENDED ALONG WITH THE APPROPRIATE CRIMPING TOOL. FOR SMALLER CONNECTORS UPTO AWG #4 HAND CRIMPING TOOL CAN BE USED. FOR CONNECTOR SIZES BEYOND THIS AND UPTO 300MCM (150MM²) A 6 TON CLASS HYDRAULIC TOOL IS RECOMMENDED. FOR CONNECTORS BEYOND 300MCM (150MM²) UPTO 750MCM (400MM²) A 12 TON CLASS HYDRAULIC TOOLS IS RECOMMENDED. THIS ENSURES A PERFECT JOINT.
- 5) THE CONNECTOR TO BE PLACED AT THE CENTRE OF THE CRIMPING DIE. CRIMPING TO START FROM THE PALM END TOWARDS THE CONDUCTOR ENTRY AREA. NUMBER OF CRIMPS RECOMMENDED MAY BE FOLLOWED.
- 6) CRIMPED JOINTS TO BE VERIFIED FOR ANY PHYSICAL DAMAGE AT THE CRIMPED AREA. ENSURE THAT THERE IS NO SHARP EDGES OR BURR PRESENT AT THE CRIMPED AREA. RANDOM SAMPLE MAY BE SUBJECTED TO PULL OFF LOAD TEST. CRIMPED JOINT SHOULD NOT FAIL AT THE MINIMUM PRESCRIBED LOAD OF 15KGF.
- 7) FOR CRIMPING SMALLER CONNECTORS UPTO AWG #4 SIZE HAND OPERATED MANUAL HAND TOOLS CAN BE USED. EVEN A PNEUMATIC OR ELECTRIC MOTOR DRIVEN TOOL CAN BE USED FOR THE SAME APPLICATION. FOR HIGHER SIZES HYDRAULIC COMPRESSION HEAD CAN BE USED ALONG WITH MANUAL HYDRAULIC PUMPS, ELECTRIC/ BATTERY POWERED MOTOR DRIVEN HYDRAULIC PUMP CAN BE USED. THE OUTPUT FORCE FOR SUCH PUMPS SHOULD BE MINIMUM 10000 PSI. SELF CONTAINED HYDRAULIC TOOLS LIKE MANUAL HYDRAULIC OR BATTERY OPERATED TOOLS ALSO CAN BE USED.



COPPER BONDED EARTH RODS / GROUND RODS



File No. E532904



"LUSTRE" Copper Bonded Earth Rods / Ground Rods are manufactured in the companies Vasai plant dedicated to the manufacturing of earthing rods. The plant is equipped with facilities to produce in house up to 1800 metric tons annually all type of earthing rods. The steel core used for the manufacturing of the Copper Bonded Earth Rods is high tensile strength. The rods are electroplated with indigenously developed baths to produce a very strong bonding between the steel and copper. Also the innovative plating methods allow us to maintain copper plating of minimum 254 microns at any point of the rod. The extra edge of the quality of our Copper Bonded Earth Rods is also proved by the fact that all our threaded rods are threaded by thread rolling after the copper plating process hence providing the accurate threading size. All our rods are checked according to the stringent UL 467 norms. And majority of our Rods are UL Listed.

TRADE NAME	SIZE DETAILS				PART NO.	LISTING
	THREAD SIZE	SHANK DIA	LENGTH	Cu THICKNESS AT ANY POINT		
1/2" x 4 feet	9/16"	12.7mm	4 Feet	254µM Min.	L-1204BT	
1/2" x 4 feet	Unthreaded	12.7mm	4 Feet	254µM Min.	L-1204BU	
1/2" x 5 feet	9/16"	12.7mm	5 Feet	254µM Min.	L-1205BT	
1/2" x 5 feet	Unthreaded	12.7mm	5 Feet	254µM Min.	L-1205BU	
1/2" x 6 feet	9/16"	12.7mm	6 Feet	254µM Min.	L-1206BT	
1/2" x 6 feet	Unthreaded	12.7mm	6 Feet	254µM Min.	L-1206BU	
1/2" x 7 feet	9/16"	12.7mm	7 Feet	254µM Min.	L-1207BT	
1/2" x 7 feet	Unthreaded	12.7mm	7 Feet	254µM Min.	L-1207BU	
1/2" x 8 feet	9/16"	12.7mm	8 Feet	254µM Min.	L-1208BT	
1/2" x 8 feet	Unthreaded	12.7mm	8 Feet	254µM Min.	L-1208BU	
1/2" x 10 feet	9/16"	12.7mm	10 Feet	254µM Min.	L-1210BT	
1/2" x 10 feet	Unthreaded	12.7mm	10 Feet	254µM Min.	L-1210BU	
1/2" x 12 feet	9/16"	12.7mm	12 Feet	254µM Min.	L-1212BT	
1/2" x 12 feet	Unthreaded	12.7mm	12 Feet	254µM Min.	L-1212BU	
5/8" x 4 Feet	5/8"	14.2mm	4 Feet	254µM Min.	L-5804BT	
5/8" x 4 Feet	Unthreaded	14.2mm	4 Feet	254µM Min.	L-5804BU	
5/8" x 5 Feet	5/8"	14.2mm	5 Feet	254µM Min.	L-5805BT	
5/8" x 5 Feet	Unthreaded	14.2mm	5 Feet	254µM Min.	L-5805BU	
5/8" x 6 Feet	5/8"	14.2mm	6 Feet	254µM Min.	L-5806BT	
5/8" x 6 Feet	Unthreaded	14.2mm	6 Feet	254µM Min.	L-5806BU	
5/8" x 7 Feet	5/8"	14.2mm	7 Feet	254µM Min.	L-5807BT	
5/8" x 7 Feet	Unthreaded	14.2mm	7 Feet	254µM Min.	L-5807BU	
5/8" x 8 Feet	5/8"	14.2mm	8 Feet	254µM Min.	L-5808BT	
5/8" x 8 Feet	5/8"	14.2mm	8 Feet	330µM Min.	L-5808BTR	



COPPER BONDED EARTH RODS / GROUND RODS



File No. E532904

TRADE NAME	SIZE DETAILS				PART NO.	LISTING
	THREAD SIZE (A)	SHANK DIA (B)	LENGTH (C)	Cu THICKNESS AT ANY POINT		
5/8" x 8 Feet	Unthreaded	14.2mm	8 Feet	254µM Min.	L-5808BU	
5/8" x 8 Feet	Unthreaded	14.2mm	8 Feet	330µM Min.	L-5808BUR	
5/8" x 10 Feet	5/8"	14.2mm	10 Feet	254µM Min.	L-5810BT	
5/8" x 10 Feet	5/8"	14.2mm	10 Feet	330µM Min.	L-5810BTR	
5/8" x 10 Feet	Unthreaded	14.2mm	10 Feet	254µM Min.	L-5810BU	
5/8" x 10 Feet	Unthreaded	14.2mm	10 Feet	330µM Min.	L-5810BUR	
5/8" x 12 Feet	5/8"	14.2mm	12 Feet	254µM Min.	L-5812BT	
5/8" x 12 Feet	Unthreaded	14.2mm	12 Feet	254µM Min.	L-5812BU	
3/4" x 4 Feet	3/4"	17.2mm	4 Feet	254µM Min.	L-3404BT	
3/4" x 4 Feet	Unthreaded	17.2mm	4 Feet	254µM Min.	L-3404BU	
3/4" x 5 Feet	3/4"	17.2mm	5 Feet	254µM Min.	L-3405BT	
3/4" x 5 Feet	Unthreaded	17.2mm	5 Feet	254µM Min.	L-3405BU	
3/4" x 6 Feet	3/4"	17.2mm	6 Feet	254µM Min.	L-3406BT	
3/4" x 6 Feet	Unthreaded	17.2mm	6 Feet	254µM Min.	L-3406BU	
3/4" x 8 Feet	3/4"	17.2mm	8 Feet	254µM Min.	L-3408BT	
3/4" x 8 Feet	Unthreaded	17.2mm	8 Feet	254µM Min.	L-3408BU	
3/4" x 10 Feet	3/4"	17.2mm	10 Feet	254µM Min.	L-3410BT	
3/4" x 10 Feet	Unthreaded	17.2mm	10 Feet	254µM Min.	L-3410BU	
3/4" x 12 Feet	3/4"	17.2mm	12 Feet	254µM Min.	L-3412BT	
3/4" x 12 Feet	Unthreaded	17.2mm	12 Feet	254µM Min.	L-3412BU	
1" x 8 Feet	1"	23mm	8 Feet	254µM Min.	L-0108BT	
1" x 8 Feet	Unthreaded	23mm	8 Feet	254µM Min.	L-0108BU	
1" x 10 Feet	1"	23mm	10 Feet	254µM Min.	L-0110BT	
1" x 10 Feet	Unthreaded	23mm	10 Feet	254µM Min.	L-0110BU	

* Rods with special diameters, different lengths are available on request.

* Threading mentioned above are UNC Threads. BSW or Metric Threads are also available on request.

* Copper Plating Thickness for the above or special sizes can be maintained in the range of 50µM and up to 500µM for special applications on request.



COPPER BONDED EARTH ROD / GROUND ROD QUALITY CHECKS IN-HOUSE

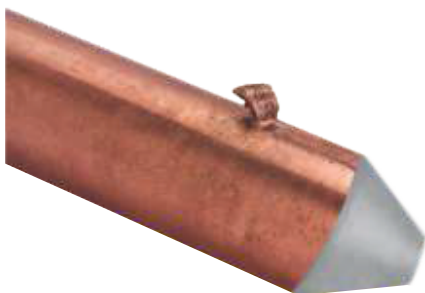
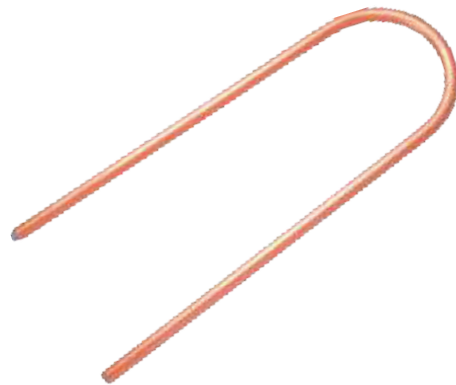


File No. E532904



Copper Coating Thickness: All 100% rods (full production) are subjected to the coating thickness test. Every rod at several points is checked by an electronic thickness tester to measure the copper thickness on the steel core. The reading in case of UL listed rods is not less than 254µM and for other rods as specified by the end user.

Bend Test: The bend test is carried out by a rod bending machine to provide an equal force at all points. The rod is subjected to bent up to 180 Degrees. The copper sheath should not crack or tear at any point of the rod.



Adhesion Test: An 18-inch length of the rod with one end cut to a 45 degree point shall be driven between two steel clamping plates or the jaws of a vise, set 0.04 inch less than the diameter of the rod, so as to shear off sufficient metal to expose the bond between the jacket and rod. Peeling of the jacket by the steel plates or the jaws of the vise is acceptable, but there shall be no other evidence of separation of the jacket from the steel core.



**SOLID COPPER EARTH RODS**

File No.: E532904



"LUSTRE" Solid Copper Earth Rods are manufactured from EC Grade Copper. The rods are manufactured with internal threading or external threading as per the end users requirement. The internally threaded rods are provided with the driving head, driving tip and internal coupling dowel.

INTERNALLY THREADED RODS

TRADE NAME	SIZE DETAILS			PART NO.	LISTING
	INTERNAL THREAD	DIAMETER	LENGTH		
1/2" x 4 feet	M8	12.7mm	4 Feet	L-1204C	
1/2" x 8 Feet	M8	12.7mm	8 Feet	L-1208C	
1/2" x 10 Feet	M8	12.7mm	10 Feet	L-1210C	
14 x 4 feet	M10	14mm	4 Feet	L-1404C	
14 x 8 Feet	M10	14mm	8 Feet	L-1408C	
14 x 10 Feet	M10	14mm	10 Feet	L-1410C	
15 x 4 feet	M10	15mm	4 Feet	L-1504C	
15 x 8 Feet	M10	15mm	8 Feet	L-1508C	
15 x 10 Feet	M10	15mm	10 Feet	L-1510C	
16 x 4 feet	M10	16mm	4 Feet	L-1604C	
16 x 8 Feet	M10	16mm	8 Feet	L-1608C	
16 x 10 Feet	M10	16mm	10 Feet	L-1610C	
19 x 4 feet	M10	19mm	4 Feet	L-1904C	
19 x 8 Feet	M10	19mm	8 Feet	L-1908C	
19 x 10 Feet	M10	19mm	10 Feet	L-1910C	
20 x 4 feet	M10	20mm	4 Feet	L-2004C	
20 x 8 Feet	M10	20mm	8 Feet	L-2008C	
20 x 10 Feet	M10	20mm	10 Feet	L-2010C	

* Rods with special diameters, different lengths are available on request.



EXTERNALLY THREADED RODS

TRADE NAME	SIZE DETAILS			PART NO.
	OUTSIDE THREAD	SHANK DIA (B)	LENGTH (C)	
5/8" x 4 Feet	5/8"	14.2	4 Feet	L-5804CT
3/4" x 4 Feet	3/4"	17.2	4 Feet	L-3404CT

* Rods with special diameters, different lengths are available on request.

STAINLESS STEEL EARTH RODS / GROUND RODS



File No.: E532904

"LUSTRE" Stainless Steel Earth Rods are manufactured from SS304 grade material and for special applications are also manufactured from SS316 grade material. We are manufacturing these rods with and without threading. These rods come with the natural finish.

TRADE NAME	SIZE DETAILS			PART NO.	LISTING
	THREAD SIZE	SHANK DIA	LENGTH		
1/2" x 8 feet	9/16"	12.7mm	8 Feet	L-1208ST	
1/2" x 8 feet	Unthreaded	12.7mm	8 Feet	L-1208SU	
1/2" x 10 feet	9/16"	12.7mm	10 Feet	L-1210ST	
1/2" x 10 feet	Unthreaded	12.7mm	10 Feet	L-1210SU	
5/8" x 8 Feet	5/8"	14.2mm	8 Feet	L-5808ST	
5/8" x 8 Feet	Unthreaded	14.2mm	8 Feet	L-5808SU	
5/8" x 10 Feet	5/8"	14.2mm	10 Feet	L-5810ST	
5/8" x 10 Feet	Unthreaded	14.2mm	10 Feet	L-5810SU	
3/4" x 8 Feet	3/4"	17.2mm	8 Feet	L-3408ST	
3/4" x 8 Feet	Unthreaded	17.2mm	8 Feet	L-3408SU	
3/4" x 10 Feet	3/4"	17.2mm	10 Feet	L-3410ST	
3/4" x 10 Feet	Unthreaded	17.2mm	10 Feet	L-3410SU	

* Rods with special diameters, different lengths are available on request.

COPPER BONDED EARTH RODS - COMMERCIAL GRADE

The commercial grade Copper bonded earth rods are manufactured from high tensile steel. The copper thickness is approximately 25µm hence making them economically priced. The rods are threaded or un-threaded as per the end users requirement.

TRADE NAME	SIZE DETAILS		PART NO.
	THREAD SIZE	LENGTH	
3/8" x 4 Feet	Unthreaded	4 Feet	L-3804E
3/8" x 6 Feet	Unthreaded	6 Feet	L-3806E
14 x 4 Feet	M14	4 Feet	L-1404E
14 x 6 Feet	M14	6 Feet	L-1406E
5/8" x 4 Feet	5/8"	4 Feet	L-5804E
5/8" x 5 Feet	5/8"	5 Feet	L-5805E
5/8" x 6 Feet	5/8"	6 Feet	L-5806E
5/8" x 8 Feet	5/8"	8 Feet	L-5808E
5/8" x 10 Feet	5/8"	10 Feet	L-5810E
3/4"x 4 Feet	3/4"	4 Feet	L-3404E
3/4"x 5 Feet	3/4"	5 Feet	L-3405E
3/4"x 6 Feet	3/4"	6 Feet	L-3406E
3/4"x 8 Feet	3/4"	8 Feet	L-3408E
3/4"x 10 Feet	3/4"	10 Feet	L-3410E
1"x 10 Feet	1"	10 Feet	L-0110E



* Rods with special diameters, different lengths are available on request.





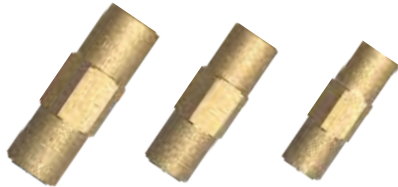
CLAMPS UL LISTED



File No.: E532904

TRADE NAME	SIZE DETAILS		PART NO.	LISTING
	ROD SIZE	CONDUCTOR RANGE		
1/2" Clamp	1/2"	8 Sol - 2 Str	L-12	
5/8" Clamp	5/8"	9 Sol - 2 Str	L-58	
3/4" Clamp	3/4"	10 Sol - 2 Str	L-34	

COUPLERS UL LISTED



TRADE NAME	SIZE DETAILS		PART NO.
	THREAD SIZE (A)	LENGTH (B)	
1/2" Coupler	1/2" UNC Threaded	L-12CO	
5/8" Coupler	5/8" UNC Threaded	L-58CO	
3/4" Coupler	3/4" UNC Threaded	L-34CO	

Spike

Coupling

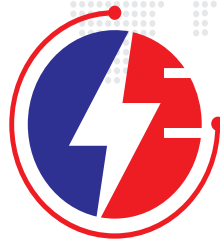
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Thread Dia	Cat No.	Thread Dia	Cat No.	Thread Dia	Cat No.
M8	LS8	M8	LC8	M8	LST8
M10	LS10	M10	LC10	M10	LST10

**RECOMMENDED CRIMPING POSITIONS****INTERNATIONAL WIRE GAUGES & CONVERSIONS**

WIRE GAUGE	DIE CODE	Sq. mm.	JIS	DIN
30AWG		0.05		
28AWG		0.08		
26AWG		0.13		
24AWG		0.20		
22AWG		0.32		
20AWG		0.52		
18AWG		0.81		0.9
16AWG		1.32	1.25	1.5
14AWG		2.08	2	2
12AWG		3.33		4
10AWG		5.27	5.5	6
8AWG	Red	8.30	8	10
6AWG	Blue	13.30	14	16
5AWG		16.78		
4AWG	Grey	21.09	22	25
3AWG	White	26.57		
2AWG	Brown	33.94	38	35
1AWG	Green	42.22		
1/0	Pink	53.52	60	50
2/0	Black	67.51		70
3/0	Orange	85.16	80	95
4/0	Purple	107.22	100	
250MCM	Yellow	126.68	125	120
300MCM	White	152.01	150	150
350MCM	Red	177.38		185
400MCM	Blue	202.68	200	240
500MCM	Brown	253.35	250	
600MCM	Green	304.02	325	300
700MCM		354.69		
750MCM	Black	380.03		
800MCM		405.36	400	400
900MCM		453.03		
1000MCM	White	506.70	500	500
1500MCM	Green	13.5		
1750MCM	Grey	17.5		
2000MCM	Brown	20.5		





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