



المسلة
لتصنيع ملحقات الكابلات



El Massalla Co.
for Industrialization of Cable
Accessories S.A.E.
EMICA



Foundation Stone Launch

In the bosom of the archeological city “Heliopolis 1968 B.C.”, “Al Mataria district now” exists the remains of a temple for the king “Sisotris 1” who reigned Egypt for forty-five years in honor of the sun god “RA”, the oldest and the only obelisk survived, standing in glory in its original spot.

Obelisks were prominent in the architecture of the ancient Egyptian ancestors’ civilization and played a vital role in their religion placing them in pairs at the entrance of the temples.

Among the Egyptian pharos beliefs, the obelisk symbolized a petrified ray that penetrates the clouds and disperses negative forces that accumulate in the form of storms. The word “obelisk” in the Greek language refers to a prong for roasting and indicates protection, defense, and stability.

(ref. SYMBOLS cultural life, THE OBELISKS OF EGYPT- Labib Habachi)

This is where we were inspired & decided to start our business.

Index

Mission & Vision	4
Core Values	5
Machinery & Tools	6
Warehouse	7
Products	8,9
Aluminium Connectors	10
Aluminium Lugs	11
Bi-metallic Lugs	12,13
Copper Lugs (For DIN)	14,15
Copper Connectors	16,17
Copper Lugs (Commercial Type)	18,19
Earthing Braids	20
Knitted Earthing	21
Business Partners	22
TE Connectivity	22
Racyhem RPG	23
nVent	24



El Massalla

El Massalla Co. for Industrialization of Cable Accessories S.A.E. (EMICA) started its activities in 1986 in the Egyptian market as a commercial bureau. Then, the factory was established in 1990 at Six October City and began its actual production in 1992 to produce high-quality products and act as a one-stop shop.

Over 180 employees strive to excel and meet the highest local and international ethical standards. EMICA embraces growth, productivity, and commitment with the utmost respect for moral principles and integrity.

Among our key performance indicators are customer training sessions, both theoretical and practical.



Mission

Increasing local added value through continuous operation development in order to achieve the highest possible quality in accordance with international standards. We enhance our workforce capabilities for their benefit, community welfare, and customer trust. We are committed to our core values and respect others with a code of conduct inside and outside the company. We are proud of our slogan, which reflects in the market a high-quality, trusted product, a fair price, and an after-sales guarantee.

Vision

The export of high-quality products protects our trademark in the local market, leading to growth and chances for new jobs with full trust in a better future for everyone.

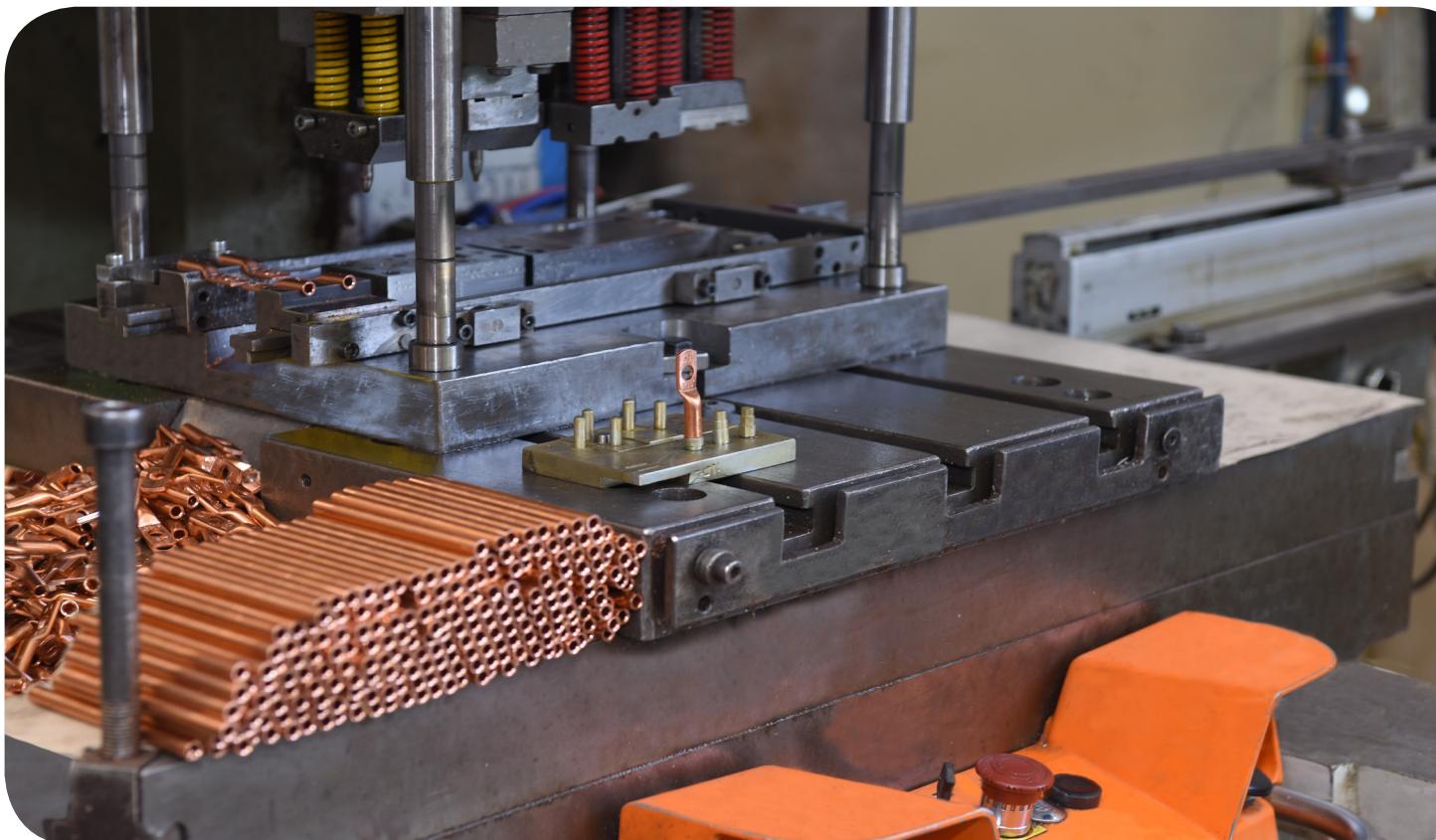
Core Values

EMICA is committed to conducting business ethically and honestly, while implementing and enforcing systems that ensure the elimination of bribery and corruption.

Conforming to standards is among our curriculum. Since 2009, we have been constantly awarded ISO certifications for quality, environment, health, and safety.



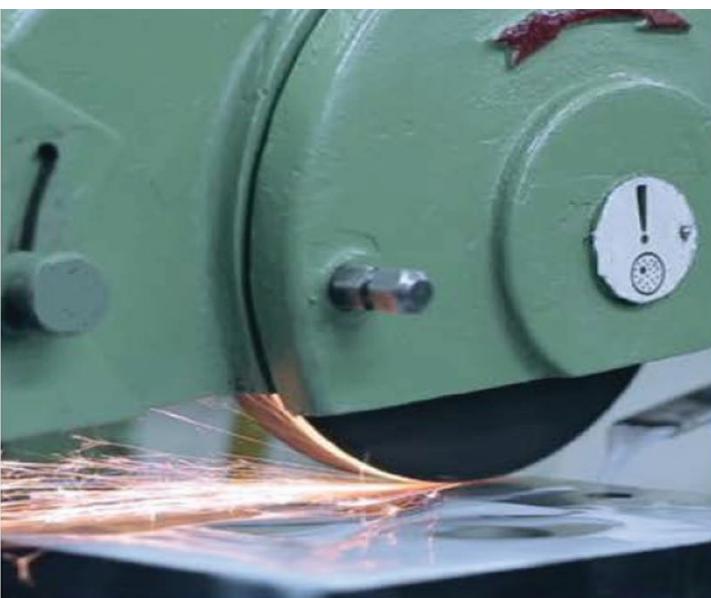
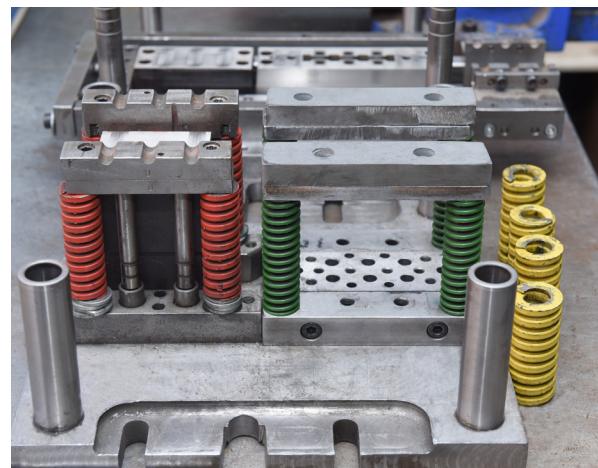
Our products withheld & proudly awarded the medium voltage type test certificates enduring the toughest conditions of IEC 60502-4 (2010), & low voltage type test of IEC 60502-1.





Machinery & Tools

In-house, we proudly manufacture tailored tools to ensure a perfect finished product. Die sets are the most important tool in the production of our finished goods. Perfect design, precision, and top-quality raw materials are intolerant, while repeated audits to replace worn-out items are continuous.



EMICA Warehouse

EMICA's warehouse is well controlled by an enterprise resource planning system (ERP). All raw materials, semi-finished products, and ready-for-sale products are subject to periodic audits and quality control.

The traceability of each stocked item is of utmost importance, even after it is delivered to the customer.



EMICA Products

EMICA is a market leader in the production of the highest-quality cable accessories

- * Lugs' barrels and connectors are chamfered for easy conductor insertion
- * Well-marked crimping die locations, as well as conductor size on all lugs and connectors
- * Electro-tin all copper lugs and connectors to a thickness of up to 10µm to prevent oxidation and provide a corrosion-free, high-conductivity surface
- * All products are packed dustproof



Copper Lugs/Connectors

A special pure alloy with the highest electrical, mechanical, and chemical properties in compliance with international standards.

The connector entry is flared for easy insertion. The surface is electrolytically tinned for corrosion resistance.



Aluminum Lugs/Connectors

An alloy of the highest purity designed for optimum electric conductivity and mechanical properties in compliance with international standards. The connector entry is flared for easy insertion. Barrels are filled with special conductive grease to avoid internal surface oxidation.



Bimetal Lugs

Features the highest copper and aluminum alloys in compliance with international standards. Insert type, sealed with special heat-resistant epoxy to prevent galvanic corrosion. The connector entry is flared for easy insertion. Barrels are filled with special conductive grease to avoid surface oxidation.



Braids

General purpose use. annealed Fine pure knitted copper wire. Various capacities (length/layers/cross-section area). Uncoated or electrolytically tinned for corrosion



To ensure safe and efficient electricity transmission throughout the grid, our state-of-the-art accessories are necessary for cable joints and terminations.

Our wide range of metallic products covers all sizes of aluminum and tinned copper lugs, connectors, and bi-metals and has proven in-field competence.

Such small metallic items represent a vital component of all cable joints and terminations in the kitting operation.

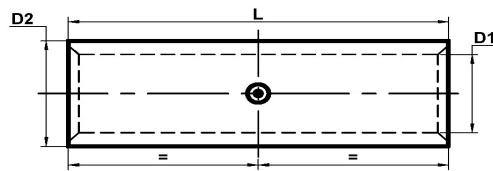
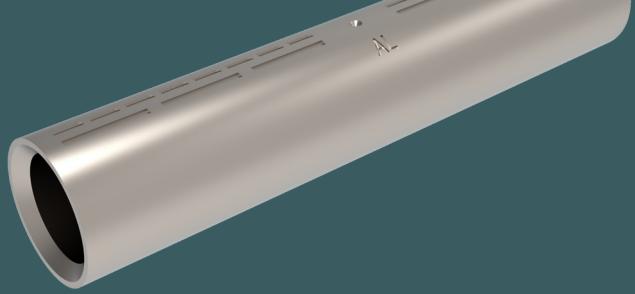


Aluminum Connectors

For DIN 46267 part-2

Alloy1050 - 99.5% purity

*availability of special design upon request



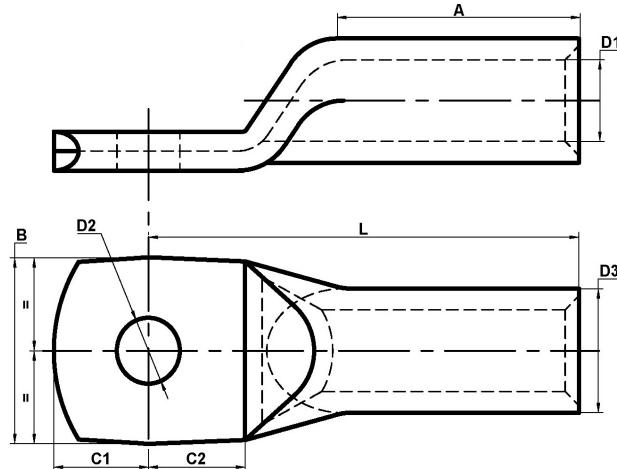
Conductor size mm ²	EMICA code 10300900.	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm			Qty/Pack size cm ³ 40x25.5x13	Weight gm/1PC ±(0.15~0.30)
				D1 +(0.3~0.5)	D2 ±0.30	L +(2.0~4.0)		
16	.600014	12	6/8	6	12	55	960	13
25	.600013	12	6/10	6.8	12	70	780	15
35	.600012	14	6/12	8	14	85	450	26
50	.600011	16	6/12	9.8	16	85	360	29
70	.600010	18	6/14	11.2	18.5	105	270	48.3
95	.600009	22	6/14	13.2	22	105	180	70.8
120	.600008	22	6/14	14.7	23	105	180	71.5
150	.600007	25	6/16	16.3	25	125	120	98.8
150 IEC	.600018	25	6/16	15	25	125	120	108.7
185	.600006	28	8/16	18.3	28.5	125	99	127.6
240	.600005	32	8/18	21	32	145	57	187
240 IEC	.600017	32	8/18	20	32	145	57	203
300	.600004	34	8/18	23.3	34	145	54	194.4
300 IEC	.600016	34	8/18	21.8	34	145	54	208.6
400	.600003	38	12/-	26	38.5	210	33	366
400 IEC	.600015	38	12/-	24.5	38.5	210	33	394
500	.600002	44	10/-	29	44	210	21	491
630	.600001	50	14/-	34	51	210	16	640

Aluminum Lugs

For conductor DIN 48201

Alloy1050 - 99.5% purity

*availability of special design upon request



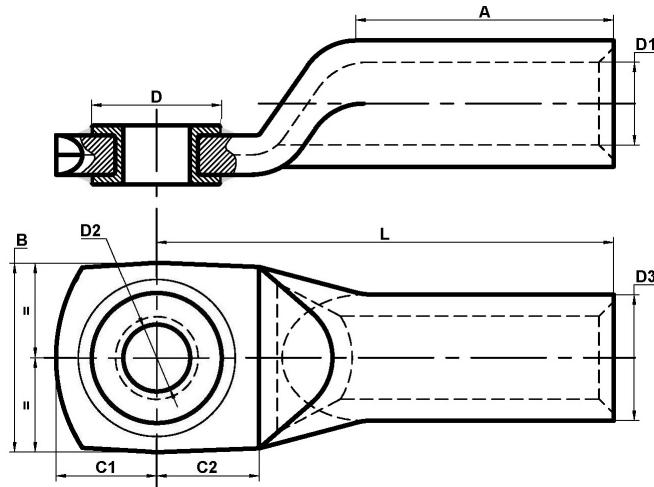
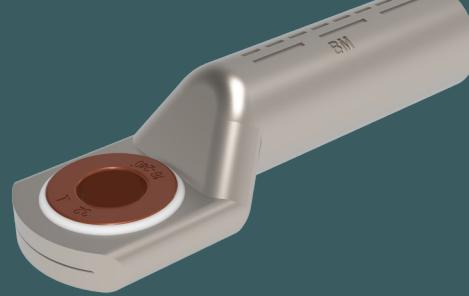
Conductor size mm ²	EMICA code 10300900.	Bolt hole size	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm									Qty/Pack size cm ³ 40x25.5x13	Weight gm/1pc ±(0.20~0.40)
					A min	B ±2.0	C1 ±0.30	C2 +(0.50~1.0)	D1 +(0.30~0.5)	D2 -0.30	D3 ±0.30	L +2.0			
16	.300013	M8	12	3/4	32	18	9.5	12	6	8.5	12	52	840	13.3	
25	.300012	M8	12	3/5	38	18	9.5	12	6.8	8.5	12	60	600	13.7	
35	.300011	M10	14	3/6	42	21	11.2	14.5	8	10.5	14	67	450	21.4	
50	.300010	M10	16	3/6	42	25	14	14.5	9.8	10.5	16	72	360	26.9	
70	.300009	M12	18	3/7	52	28	15	17.5	11.2	13	18.5	85	270	43.3	
95	.300008	M12	22	3/7	52	32	16	18	13.2	13	22	90	195	67.4	
120	.300007	M12	22	3/7	52	32.7	16	17	14.7	13	23	90.5	180	67	
150	.300006	M12	25	3/8	60	35.3	17.5	21.5	16.3	13	25	103	135	89.6	
185	.300005	M16	28	4/8	60	40.5	21.5	25	18.3	17	28.5	106	90	121	
240	.300004	M16	32	4/9	65	46	23.5	26	21	17	32	116	60	167	
300	.300003	M16	34	4/9	75	49	23.5	26	23.3	17	34	124	54	187	
400	.300002	M20	38	6/-	100	57.2	30.5	32	26	21	38.5	165	30	317.3	
500	.300001	M20	44	5/-	120	61.5	30.5	31.5	29	21	44	185	21	483.3	

Bi-metallic Lugs

For conductor DIN 48201

Alloy1050 - 99.5% purity

*availability of special design upon request



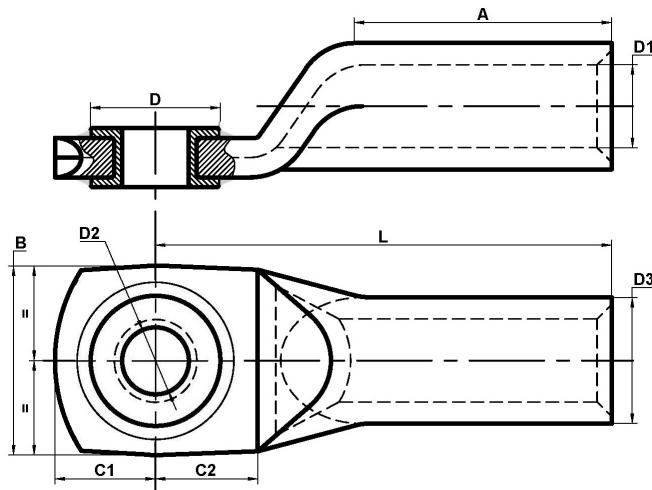
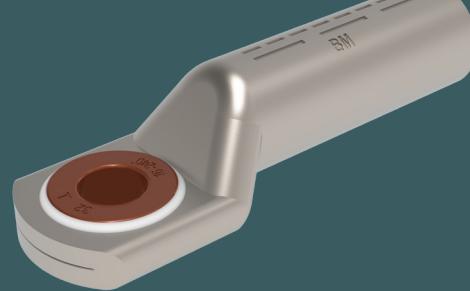
Conductor size mm ²	EMICA code\ 10300900.	Bolt hole size	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm										Qty/Pack size cm ³ 40x25.5x13	Weight gm/1pc ±(0.20~0.40)
					A min	B ± 2.0	C1 ±1.0	C2 ±1.0	D ±1.0	D1 +(0.30~0.5)	D2 -0.30	D3 ±0.30	L +2.0			
16	.400020	M8	12	3/4	32	22.5	13.6	15.6	17.5	6	8.5	12	61	600	23.3	
25	.400019	M8	12	3/5	38	22.5	13.6	15.6	17.5	6.8	8.5	12	61	600	22.2	
35	.400018	M10	14	3/6	42	25	13.5	16	19.5	8	10.5	14	67.5	450	27	
50	.400016	M10	16	3/6	42	26	13.5	16	19.5	9.8	10.5	16	72	360	33	
50	.400015	M12	16	3/6	42	29	17	17	24.5	9.8	13	16	73	360	40.3	
70	.400014	M12	18	3/7	52	31.5	17.3	18	24.5	11.2	13	18.5	86	270	56.7	
95	.400013	M12	22	3/7	52	33.5	17.3	16.3	26	13.2	13	22	90	195	84	
120	.400012	M12	22	3/7	52	35	17.5	17	26	14.7	13	23	90	180	83.3	
150	.400011	M12	25	3/8	60	37	18.8	21.5	26	16.3	13	25	103	135	108.7	
150 IEC	.400025	M12	25	3/8	60	37	18.8	21.5	26	15	13	25	103	135	117	
185	.400010	M12	28	4/8	60	42.5	22.3	26	28	18.3	13	28.5	107	90	148.7	

Bi-metallic Lugs

For conductor DIN 48201

Alloy1050 - 99.5% purity

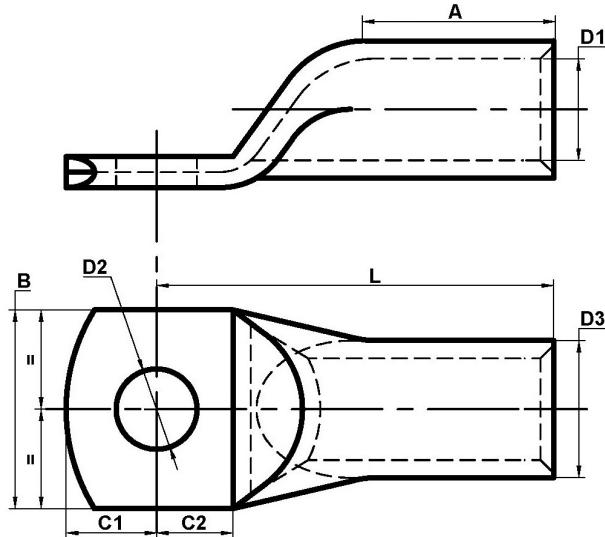
*availability of special design upon request



Conductor size mm ²	EMICA code\ 10300900.	Bolt hole size	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm										Qty/Pack size cm ³ 40x25.5x13	Weight gm/1pc ±(0.20~0.40)
					A min	B ± 2.0	C1 ±1.0	C2 ±1.0	D ±1.0	D1 +(0.30~0.5)	D2 -0.30	D3 ±0.30	L +2.0			
240	.400008	M12	32	4/9	65	48	24	26.5	30.5	21	13	32	116	60	190	
240	.400006	M16	32	4/9	65	48	25.5	27	33	21	17	32	116	60	192.5	
240 IEC	.400024	M12	32	4/9	65	48	24	26.5	29.5	20	13	32	116	60	208	
240 IEC	.400023	M16	32	4/9	65	48	25.5	26	33	20	17	32	116	60	200	
300	.400005	M12	34	4/9	75	51	24	26.5	31	23.3	13	34	125.5	54	217.5	
300	.400004	M16	34	4/9	75	50.5	24.5	27	34	23.3	17	34	124	54	219	
300 IEC	.400022	M12	34	4/9	75	52	24	27	31	21.8	13	34	126	54	228	
400	.400003	M16	38	6/-	100	56	31.3	32	36	26	17	38.5	165	30	360	
400 IEC	.400021	M16	38	6/-	100	56	31.3	32	36	24.5	17	38.6	165	30	390	
500	.400002	M16	44	5/-	120	63	30.5	32	38.5	29	17	44	185	21	515	
630	.400001	M16	52	6/-	130	74	34	34	38.5	34	17	51	205	15	693.3	
*630	.400028	M16	44	4/-	125	63	30.5	32	38.5	32	17	44	185.5	20	443.5	

Copper Lugs

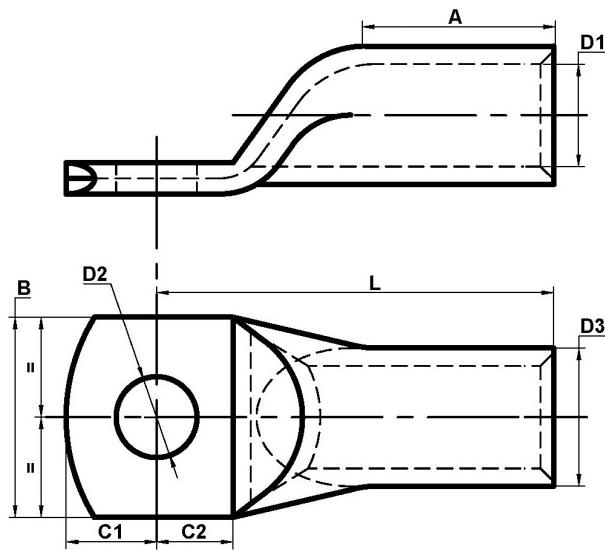
For DIN 46235
 *availability of special design upon request



Conductor size mm ²	EMICA code 10300900.	Bolt hole size	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm								Qty/Pack size cm ³ 40x25.5x9	Weight gm/1pc ±(0.20~0.40)
					A min	B ± 2.0	C1 -0.30	C2 +(0.50~1.0)	D1 ±(0.30~0.5)	D2 -0.30	D3	L +2.0		
6	.100042	M6	5	ratchet	10	8.5	10.5	8	3.8	6.4	5.5	24	4500	3.49
10	.100041	M6	6	ratchet	10	9	10.5	8	4.5	6.4	6	27	4000	3.65
16	.100040	M8	8	2/-	20	13	13	10	5.5	8.4	8.5	36	1500	13
25	.100039	M8	10	2/-	20	16	13	10	7	8.4	10	38	1000	16.9
25	.100038	M10	10	2/-	20	17	15	12	7	10.5	10	38	1000	17
35	.100037	M8	12	2/-	20	17	13	10	8.2	8.4	12.5	42	600	31.9
35	.100036	M10	12	2/-	20	19	15	12	8.2	10.5	12.5	42	600	32.2
35	.100035	M12	12	2/-	20	21	16	13	8.2	13	12.5	42	600	31.6
50	.100032	M10	14	2/-	28	22	15	12	10	10.5	14.5	52	350	48.3
50	.100031	M12	14	2/-	28	24	16	13	10	13	14.5	52	350	47.3
70	.100030	M10	16	2/-	28	24	15	12	11.5	10.5	16.5	55	300	65
70	.100029	M12	16	2/-	28	24	16	13	11.5	13	16.5	55	300	64.3
95	.100028	M10	18	2/5	35	28	15	12	13.5	10.5	19	65	220	95.2
95	.100027	M12	18	2/5	35	28	16	13	13.5	13	19	65	220	94.6

Copper Lugs

For DIN 46235
 *availability of special design upon request

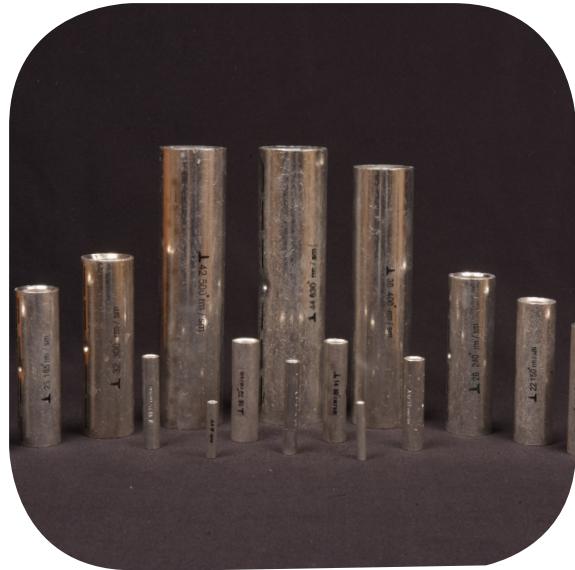
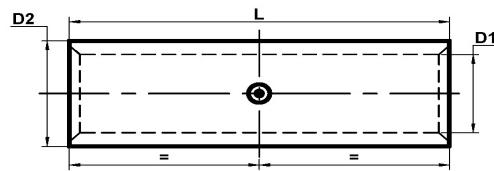
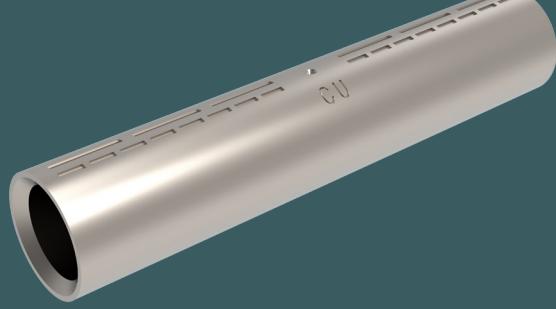


Conductor size mm ²	EMICA code 10300900.	Bolt hole size	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm									Qty/Pack size cm ³ 40x25.5x9	Weight gm/1pc ±(0.20~0.40)
					A min	B ± 2.0	C1 -0.30	C2 +(0.50~1.0)	D1 ±(0.30~0.5)	D2 -0.30	D3	L +2.0			
120	.100025	M10	20	2/5	35	32	15	12	15.5	10.5	21	70	180	115.6	
120	.100024	M12	20	2/5	35	32	16	13	15.5	13	21	70	180	108.25	
150	.100047	M10	22	2/5	35	34	15	12	17	10.5	23.5	78	120	166	
150	.100022	M12	22	2/5	35	34	16	13	17	13	23.5	78	120	165	
185	.100019	M12	25	2/6	40	37	16	13	19	13	25.5	82	80	190.6	
185	.100018	M16	25	2/6	40	37	19	16	19	17	25.5	82	80	189	
240	.100017	M12	28	3/-	40	42	16	13	21.5	13	29	92	68	274.3	
240	.100016	M16	28	3/-	40	42	19	16	21.5	17	29	92	68	277.4	
300	.100014	*M12	32	3/-	50	47.5	16	13	24.5	13	32	100	56	331	
300	.100013	M16	32	3/-	50	48	19	16	24.5	17	32	100	56	334	
400	.100012	M20	38	4/-	70	55	25	20	27.5	21	38.5	115	25	672	
500	.100010	M20	42	4/-	70	60	25	20	31	21	42	125	20	792.5	
630	.100007	M20	44	4/-	80	64.5	25	20	34.5	21	44	135	18	786	
800	.100003	M20	52	5/-	100	75	30	30	40	21	52	165	11	1499.5	
1000	.100056	M20	58	5/-	100	85	30	30	44	21	58	165	10	1930	

Copper Connectors

For DIN 46267 part-1

*availability of special design upon request

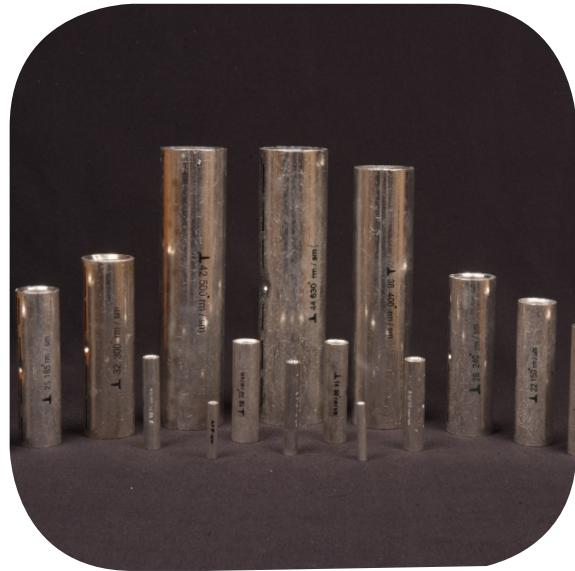
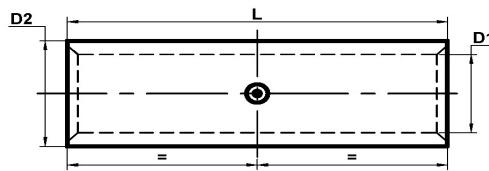
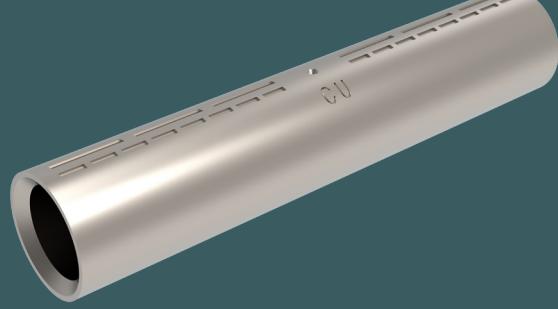


Conductor size mm ²	EMICA code 10300900.	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm			Qty/Pack size cm ³ 40x25.5x9	Weight gm/1pc ±(0.20~0.40)
				D1 ±(0.3~0.5)	D2	L +(2.0~4.0)		
4	.500022	5	ratchet	3.8	5.5	15	6000	1.8
6	.500020	5	4/-	3.8	5.5	30	5500	3.6
10	.500019	6	4/-	4.5	6	30	4500	3.4
16	.500017	8	4/-	5.5	8.5	50	1350	14.9
25	.500016	10	4/-	7	10	50	1000	18.1
35	.500015	12	4/-	8.2	12.5	50	600	31.1
50	.500014	14	4/-	10	14.5	56	400	43.5
70	.500013	16	4/-	11.5	16.5	56	300	55
95	.500012	18	4/10	13.5	19	70	210	88.1

Copper Connectors

For DIN 46267 part-1

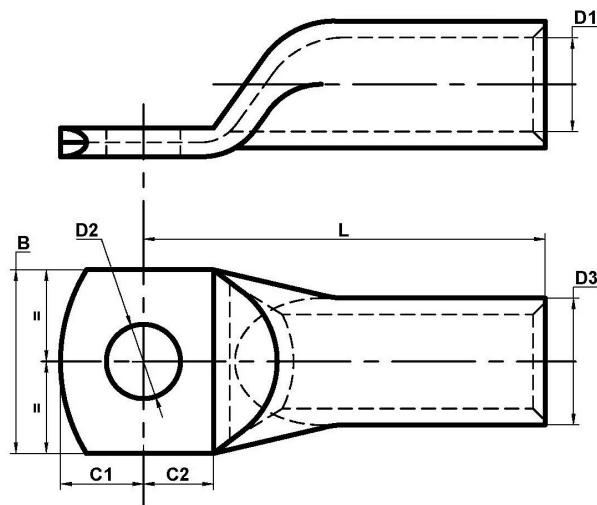
*availability of special design upon request



Conductor size mm ²	EMICA code 10300900.	Crimper die size	Hexagonal crimps Hyd/Man	Dimensions mm			Qty/Pack size cm ³ 40x25.5x9	Weight gm/1pc ±(0.20~0.40)
				D1 ±(0.3~0.5)	D2	L +(2.0~4.0)		
120	.500011	20	4/10	15.5	21	70	180	99.1
150	.500010	22	4/10	17	23.5	80	130	146.5
185	.500009	25	4/12	19	25.5	85	80	171
240	.500008	28	6/-	21.5	29	90	68	237.5
300	.500007	32	6/-	24.5	32	100	54	295
400	.500006	38	8/-	27.5	38.5	150	26	761.2
500	.500005	42	8/-	31	42	160	25	892
630	.500003	44	8/-	34.5	44	160	20	844
800	.500002	52	10/-	40	52	200	7	1544.3
1000	.500001	58	10/-	44	58	200	7	2000

Copper Lugs

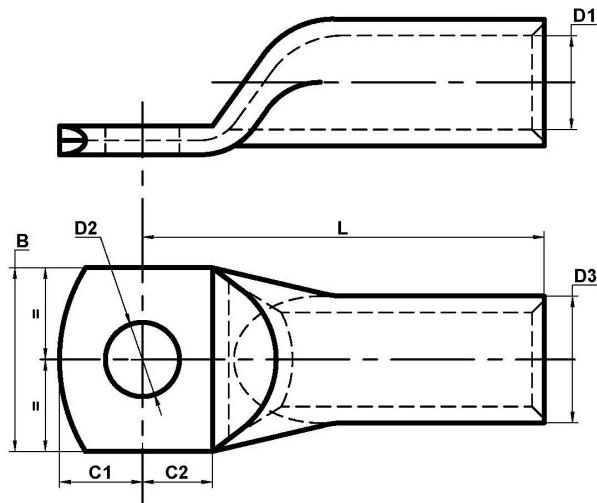
Commercial Type
*availability of special design upon request



Conductor size mm ²	EMICA code 10300900.	Bolt hole size	Crimper die size	Dimensions mm							Pack Size 40x25.5x9 cm ³ Qty/Pack	Weight gm/1pc ±(0.07~2.0)
				B ± 2.0	C1 ±0.30	+ (0.50~1.0)	D1 ±0.30	D2 -0.30	D3 ±0.30	L +2.0		
16	.200023	M8	8	12.5	8.2	10	5.2	8.5	8	28	2500	8.5
25	.200021	M8	10	13.5	9	10.8	6.7	8.5	9.2	28.6	2000	9.4
35	.200018	M8	12	16	9	9	8.2	8.5	11	30.9	1500	13.9
35	.200017	M10	12	16	9	10	8.2	10.5	11	23	1500	13.2
50	.200015	M8	14	18	10	10	9.4	8.5	12.2	37	900	15.5
50	.200014	M10	14	18	12	12.3	9.4	10.5	12.2	38	900	14.7
50	.200013	M12	14	18	13	13	9.4	13	12.2	38	900	13.7
70	.200012	M10	16	21	11	11	11	10.5	14.5	41	500	30
70	.200011	M12	16	21.5	11	11	11	13	14.5	41	500	28.5

Copper Lugs

Commercial Type
*availability of special design upon request



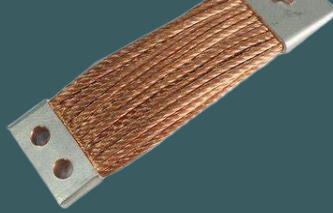
Conductor size mm ²	EMICA code 10300900.	Bolt hole size	Crimper die size	Dimensions mm							Pack Size 40x25.5x9 cm ³ Qty/Pack	Weight gm/1pc ±(0.07~2.0)
				B ± 2.0	C1 ±0.30	+ (0.50~1.0)	D1 ±0.30	D2 -0.30	D3 ±0.30	L +2.0		
95	.200010	M10	18	26	12	13	13.5	10.5	18	49	350	58
95	.200009	M12	18	27	13	13	13.5	13	18	49	350	56
120	.200008	M12	20	28	13	14	15	13	19.5	52	250	66
150	.200007	M12	22	31	16	16	16.5	13	21	57	220	79
185	.200006	M12	25	35	16	20.5	19	13	24	64.5	120	111
185	.200005	M16	25	34	17	19	19	17	24	65	120	113.8
240	.200004	M12	28	38.5	16	19	21	13	26	72	90	133.9
240	.200003	M16	28	38.5	21.5	19	21	17	26	72	90	132.2
300	.200002	M12	32	43	16	25	23.5	13	29.5	89.5	70	220
300	.200001	M16	32	43	22	22	23.5	17	29.5	85	70	223

Earthing Braids

Flexible braided tubes for cable termination shield & general earthing purposes

Material: annealed pure tinned/untinned copper wire 0.3mm diameter

*availability of special design upon request



EMICA Code	Size		
	area mm ²	width mm	length m
10300900800005	16		
10300900800006	25		
10400100100017	30	20~28	as requested
10300900800009	35		



Knitted Earthing

Flexible knitted fabric for cable joints earthing

Material: pure tinned/untinned copper wire 0.1mm diameter

Presentation: reels or cuts



EMICA Code	Size	
	width mm	length m
10400100100015	40~50	as requested



Business Partners

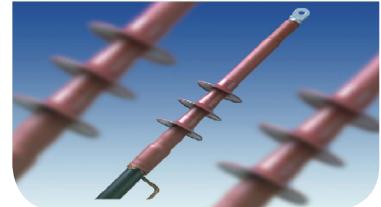


TE Connectivity

Heat-shrink tubes, joints, and termination kits.

With its high shrink ratio, TE's Raychem flexible heat shrink tubing is one of the most durable and reliable electric insulation, allowing any awkward or irregular shapes to be easily coated and efficiently sealed.

For over 35 years in the field, EMICA as the country representative since 1986, has supplied operating trouble-free cable joints and terminations that represent points of strength in the network.



Raychem RPG

Raychem RPG

ENGINEERING GROWTH - PIONEERING EXCELLENCE



Specialists in end-to-end cable management and asset protection solutions in harsh and demanding industrial environments.

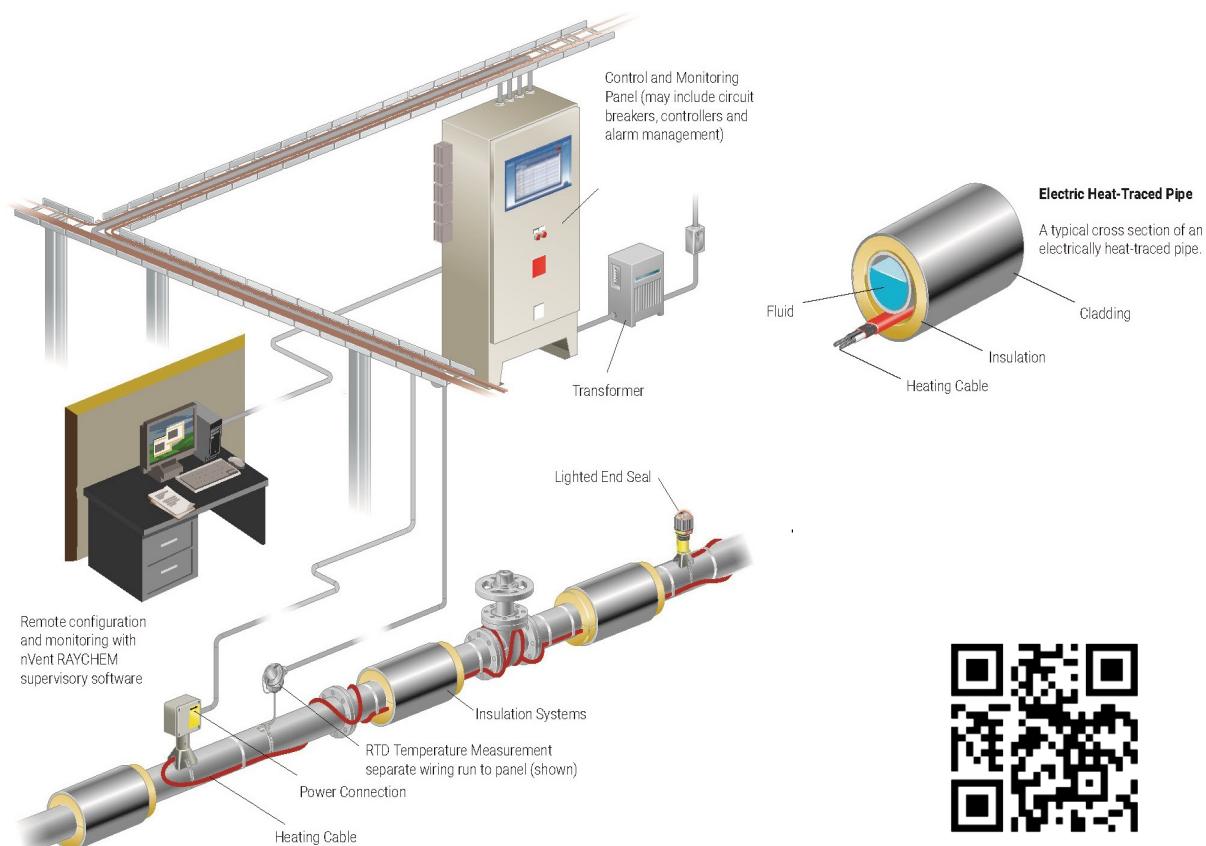


Business Partners

nVent Industrial Heat Trace



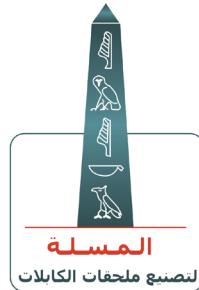
nVent can provide complete end-to-end EPC (Engineering, Procurement, and Construction) solutions for electrical heat tracing systems, large tank insulation, foundation heating solutions, and leak detection systems under our nVent RAYCHEM brand. Our solutions improve your productivity, reduce installation and maintenance costs, and minimize downtime.



Time to show off, interact, and promote



El Massalla Co.
for Industrialization of Cable Accessories S.A.E.
EMICA



2 Commercial Center, Sheraton Heliopolis Bldgs. Heliopolis, Cairo, Egypt
 +20 226 617 29, +20 226 727 98
 +20 226 617 31
 +20 100 160 3488, +20 128 215 5228
 www.elmassalla.com
 massalla@elmassalla.com



SIEMENS
Ingenuity for life

ABB

Schneider
Electric



ORASCOM
CONSTRUCTION

MADKOUR

PETROJET

telecomegypt