Quality copper extrusions from The Specialty Copper Mill

- Custom shapes
- Special alloys
- Controlled conductivity
- Rapid turnaround
- Cut-to-length
- Detail machining
- In-house electro-plating
- In-house tooling

ISO 9001 CERTIFIED

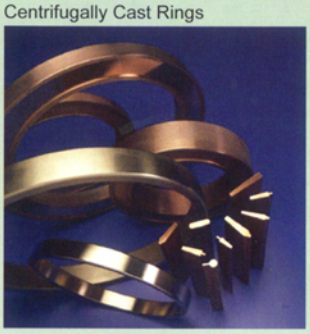
ELECTRIC MATERIALS

ETM Co

Providing engineered solutions since 1915

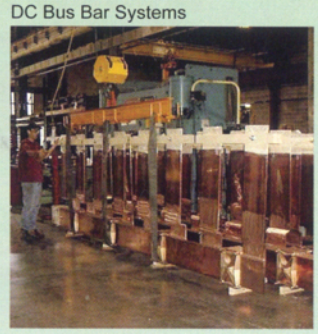
Commutators

Centrifugally Cast Rings



Castings

DC Bus Bar Systems



Collector Rings

Bar, rod and extruded shapes

	UNS Number	Nominal Composition	Electrical Conductivity % I.A.C.S.	Applicable ASTM Spec.
Copper	C-11000	99.90% Copper	100%	B-187
	C-10200	99.95% Copper	101%	B-187
	C-10700	99.95% Copper with 25 troy oz. per ton silver	100%	B-187
	C-11300	99.90% Copper with 8 troy oz. per ton silver	100%	B-187
	C-11400	99.90% Copper with 10 troy oz. per ton silver	100%	B-187
	C-11600	99.90% Copper with 25 troy oz. per ton silver	100%	B-187
	C-12220	99.90% Copper with .040-.065 phosphorus	98%	
	C-14700	99.90% Copper with .20 - .50 sulfur	90%	B-301
	C-18200	Copper with .6 - 1.2 chromium	80%	
Electrical Bronze	C-21000	5% Zinc	56% ± 2%	B-36
	C-22000	10% Zinc	44% ± 1.5%	B-36
	C-22600	12.5% Zinc	40% ± 1.5%	
	C-23000	15% Zinc	37% ± 1%	B-36
	C-23030	15% Zinc — .3% Silicon	25% ± 1%	
	C-24000	20% Zinc	32% ± 1%	B-36
	C-64700	2% Nickel — .5% Silicon	21 - 24% Solution Annealed 37 - 45% Age Hardened	B-411 B-411
	C-65100	1.6% Silicon — .3% Manganese	11% ± 1%	B-98
	C-65500	3.2% Silicon — .8% Manganese	6.5% ± .5%	B-98
	C-70100	3.75% Nickel — .25% Manganese	25% ± 1%	
	CC-SI-15*	1.2% Silicon — .3% Manganese	15% ± 1%	
	CC-NI-35*	2.4% Nickel	35% ± 1%	
	CC-NI-54*	1% Nickel — trace Manganese	54% ± 2%	

* Custom Alloys

See our brochure for centrifugally cast rotor end rings.

- The Electric Materials Plant is located 150 miles north of Pittsburgh along Lake Erie, midway between Buffalo and Cleveland.
- As an independent producer, we are geared to provide customers fast, quality service.
- We encourage customers to visit our plant when traveling through our area.

ELECTRIC MATERIALS

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