



VISION EXIM

Engineering Supply Chain Solutions!

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Website www.visionexim.in

Location Vadodara, India.

Busbar & Flexible Jumper



Who We Are +

VISION EXIM is a cutting-edge supplier- exporter of Engineering Components for Power & Infrastructure industries based at Vadodara, an electrical hub of India. With more than two decades of experience and team synergy, we offer unique blend of value-added products and solutions to industry.

Having established and cooperated manufacturing facilities with competent workforce backed by strong commitment, we cater diverse need of our valued customers. Many renowned domestic and multinational companies have trusted our competencies and capabilities to deliver sustainable competitive advantage.

Why Us +

VISION EXIM believes –

- **Innovative** product solutions are central to long term business relationship.
- **Commitment** to exceed customer expectations by focused execution using quality materials.
- **Endeavour** to supply goods meeting agreed standards of quality, delivery and service levels.
- **Customization** available for prototype development and performance evaluation.
- **Component Kitting** that supports our customers to remain focused on core aspects only.
- **PDCA** (Plan-Do-Check-Act) approach for qualitative product roll out for durability and functional performance.
- **Agility** manifested through swift responses and adaptability to changing customer needs.
- **Continual** transformation to add value for mutually rewarding business association.



Mission +

- We make our customer competitive by utilizing our techno-commercial expertise.
- We focus on the customer needs and bring synergy of multiple organizations to derive solution.
- We strive to provide practical solutions to improve and protect our planet now, and for future generations.



Values +

- Use technology for speed, reliability, flexibility, simplicity for qualitative performance.
- Highest level of integrity and business ethics.
- Collaboration & Synergy – integrate ideas and skills of associates.



Our Vision +

To become the most compelling supply chain solution provider with global footprint by integrating synergy across businesses.

Power Plants & Energy Resources

Electricity
Oil & Gas
Renewable Energy
Utilities

Electrical Industry

Transformer, Generator, Motor
Switchgear
Electrical equipment

Electrical Industry

Transformer, Generator, Motor
Switchgear
Electrical equipment

Construction Industry

Office building
Industrial plants
Hospitals
Airport
Data centers
Exhibitions
Hotels
Tunnels
Malls

Core Industry

Glass
Zinc
Steel
Aluminium
Copper
Pulp & Paper
Cement

Power Connectors

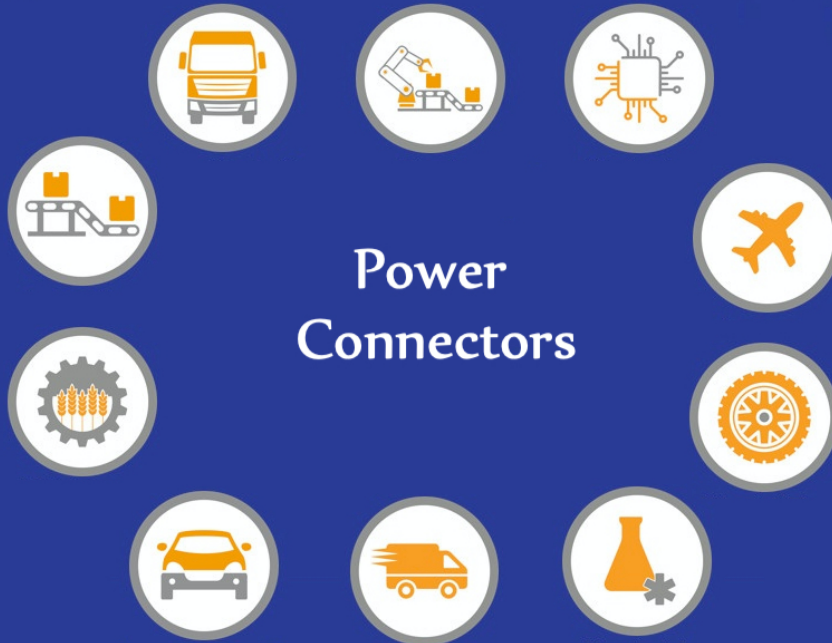
Transport Industry

Electric Vehicles
Battery Chargers
Train, Locomotives, Railways
Ship building
Aircraft

Machinery & Equipment Manufacturing

Welding Machines
Electrochemical Erosion
Printing & Coating Lines
Vibrators

Telecom Industry
Computer Industry
Chemical Industry
R&D Laboratories
Project Contractors





Material

Aluminium	EC, 6101	
Copper	Cu-ETP	
CUPONAL®	The composite busbars with electrical grade Aluminium core and pressure bonded outer layer of high conductivity Copper having benefits of Weight saving, Cost saving, Lower contact resistance, Smaller price fluctuations.	
Finish	Bare / Electro Plated [Tin, Nickle, Silver]	

Properties of Busbar Materials:

Property	Units	HC Copper		CUPONAL®	Aluminium	
		Annealed	Half Hard	15% Cu	EC	E91E/6101
Min. ultimate tensile strength	MN/m ²	217	235-300	130-170	60-85	200
Modus of elasticity	MN/m ²	95 X 10 ³	120 X 10 ³	85 X 10 ³	69 X 10 ³	65 X 10 ³
Density at 20 °C	kg/m ³	8.89 X 10 ³	8.89 X 10 ³	3.63 X 10 ³	2.7 X 10 ³	2.7 X 10 ³
Max. electrical resistivity at 20°C	Ωm	1.724 X 10 ⁻⁸	1.777 X 10 ⁻⁸	2.65 X 10 ⁻⁸	2.826 X 10 ⁻⁸	3.133 X 10 ⁻⁸
Min. electrical conductivity at 20°C	1/Ωm	58 X 10 ⁶	56 X 10 ⁶	37.7 X 10 ⁶	35.4 X 10 ⁶	31.9 X 10 ⁶
	%IACS	100	97	65	61	55
Temp. coefficient of resistance at 20°C	1/°C	3.93 X 10 ⁻³	3.93 X 10 ⁻³	4.01 X 10 ⁻³	4.03 X 10 ⁻³	3.64 X 10 ⁻³
Coeff. of linear thermal expansion 20-100°C	1/°C	17 X 10 ⁻⁶	17 X 10 ⁻⁶	21.9 X 10 ⁻⁶	23 X 10 ⁻⁶	23 X 10 ⁻⁶
Melting point	°C	1083	1083	658	658	600-650
Specific heat	J/kg/°C	393.5	393.5	711.7	921.1	879.2
Thermal conductivity	W/m2/°C	3.85 X 10 ⁶	3.85 X 10 ⁶	2.38 X 10 ⁶	2.22 X 10 ⁶	1.8 X 10 ⁶



Customized flexile expansion connectors made from copper braid and absorb oscillations and switching vibrations.

Laminated Flexible Connector

Material

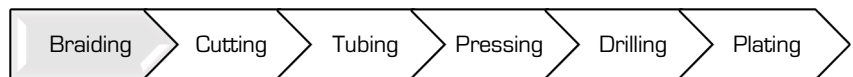
Aluminium	EC Grade Foil
Copper	Cu-ETP Foil
Finish	Bare / Electro Plated Contact Area (Tin, Silver)
Application	Automotive, Automation, Grid, Switchgear, Transformer, Busduct, Earthing Tapes, MCC System



High Voltage Braids

Material

Copper	Braided Cu-ETP
Type	Flat or Round
Finish	Bare / Electro Tinned / PVC Insulated
Application	Battery connectors, Control Cabinets Automation, Grid, Switchgear, Transformer, Busduct, Earthing Tapes, MCC



We are grateful to receive your ideas and suggestions to further improve our products and services.



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