



ULTRATECH
THE QUALITY ENGINEERS

**Flexible & Highly Flexible
Laminated Expansion Connectors • Assemblies**





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Ultratech manufactures wide range of flexible & Highly flexible laminated expansion connectors and assemblies for transmission of lower to higher amperage electrical currents by revolutionised hot electro fused process replacing previous method of soldering & riveting. The unique hot electro fused process where in high conductive annealed electrolytic CU- ETP foils of 0.1mm to 0.5mm are stocked held together. They under high temperature processed to form homogenous bond equal to solid bus bar, resulting negligible voltage loss and balanced flow of electrical current across terminal ends.

Copper Laminated expansion connectors and assemblies are available in various bended designs with uncoated & coated contact areas.

We specialised in connectors assemblies for transformers. When transformer have current connections shaped as tubing connectors instead of rectangular busbars, special contact elements are needed. For such applications we offer our flexible copper connectors consisting out of an expansion part and special clamps on one or both sides. They are deliverable for current capacities up to some thousand amps and are individual designed in co-ordination with the power and the dimension of the transformer. Main applications are inside of steel industrial plants.

Technical Data

Material

- High conductive annealed CU-ETP foils.
- Foils available in thickness varies from 0.1 upto 0.5mm
- Contact blocks solid CU - ETP

Contact area

- Equal to solid bus bar with low resistance negligible voltage loss.
- Contact area can be uncoated, tinned, silver coated.

Features

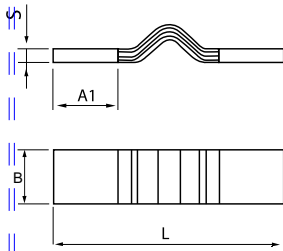
- Unlimited electrical capacity and configuration.
- Terminal to fit your existing equipments.
- Copper block can be silver brazed, welded for large assemblies.
- Broad variety developed as per customer specifications.

Typical application

- Transformer & rectifier
- Electrolytic process
- Furnace (Glass, Metal Melting)
- Resistance Welding
- Switchgear Panels
- Busducts

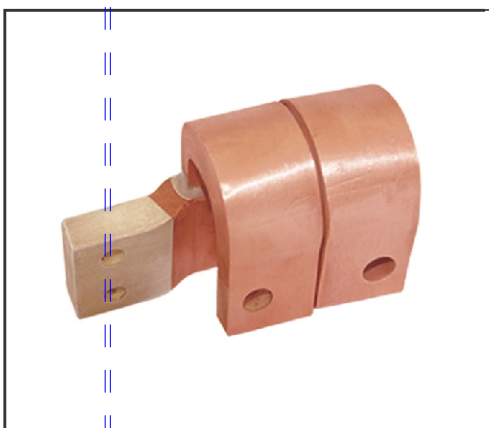
We aim to improve all aspects of business through continuous change and improvement





Flexible expansion connectors in standard designs. The width and the thickness of the contact area are in coordination with the usual dimensions of the traditional busbar systems. With drilling on request it is also possible to deliver expansion connectors with other dimensions in bended design according to your drawings as well as with coated contact area tinned or silvered.

Part No.	Cross - Section mm ²	Technical Data			
		B	Dimensions mm		
		A1	S	L	
C3000	250	50	50	5	250
C3001	400	50	50	8	250
C3002	500	50	50	10	250
C3003	375	75	75	5	300
C3004	600	75	75	8	300
C3005	750	75	75	10	300
C3006	900	75	75	12	300
C3007	1125	75	75	15	300
C3008	500	100	100	5	350
C3009	800	100	100	8	350
C3010	1000	100	100	10	350
C3011	1200	100	100	12	350
C3012	1500	100	100	15	350
C3013	600	120	120	5	400
C3014	960	120	120	8	400
C3015	1200	120	120	10	400
C3016	1440	120	120	12	400
C3017	1800	120	120	15	400
C3018	2400	120	120	20	400
C3019	3000	120	120	25	400
C3020	750	150	150	5	450
C3021	1200	150	150	8	450
C3022	1500	150	150	10	450
C3023	1800	150	150	12	450
C3024	2250	150	150	15	450
C3025	3000	150	150	20	450
C3026	3750	150	150	25	450



Flexible transformer connectors with expansion part

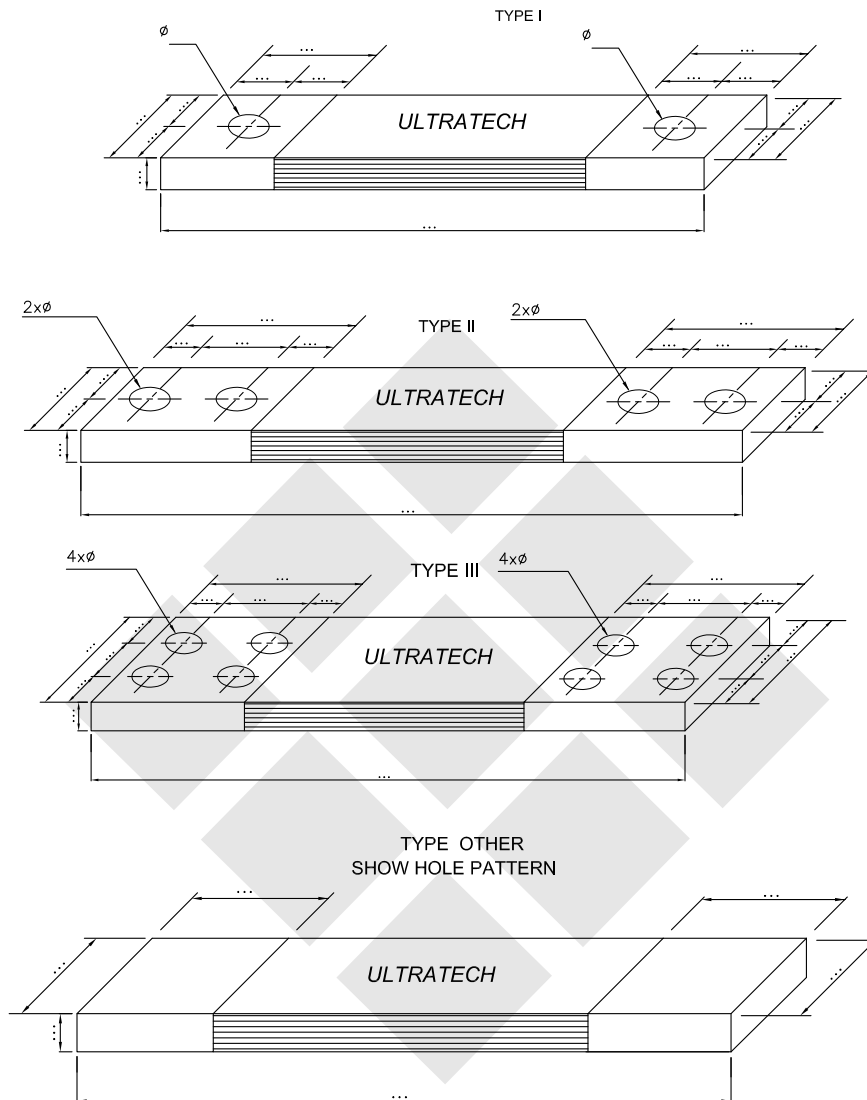
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Remark

- The minimum current capacity of expansion connector is in accordance with values of solid busbar



Selection Form for Flexible Laminated Expansion Connectors



Technical Specification

Cross section area	
Material thickness	<input type="checkbox"/> 0.1 <input type="checkbox"/> 0.15 <input type="checkbox"/> 0.2 <input type="checkbox"/> Or
Amp. rating	
Finish of contact area	<input type="checkbox"/> Un coated <input type="checkbox"/> Coated
Any special requirement	<input type="checkbox"/> Bending designs <input type="checkbox"/> With contact clamp
Quantity	
Delivery time needed	

Contact Details

Attn. to Mr/Mrs.	
Company name	
Address	
Tele No.	Email ID:

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