



**ULTRATECH**  
THE QUALITY ENGINEERS

# Flexible & Highly Flexible Braided Connectors • Earthing Tapes





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**Ultratech** manufactures a wide range of flexible & highly flexible braided connectors and earthing tapes for transmission of lower to higher amperage electrical currents. Connectors designed to compensate vibration, heat expansion & contraction for Busses. They deliver maximum amount of power with minimum resistance values maintaining peak efficiency.

For superior quality contact area made out of CU – ETP tubes are coated or uncoated as per requirement. The crimping process is realized without using additives like tin or soldering and welding. Connectors are manufactured by braided strips/ropes with bare, tin or silver coated copper wires of  $\varnothing$  0.10 / 0.20 mm. Standard braided connectors have width of 12mm – 200mm and cross section area 10 - 4500 sq. mm.

### Technical Data

#### Braids

- Made out of annealed CU-ETP wires.
- Copper wires uncoated is standard, tin or silver coated on request.
- Wire  $\varnothing$  0.10mm -0.20mm.

#### Contact area

- Seamless CU – ETP tube.
- Contact area uncoated, tin, hot dipped tin & silver coated on request.

#### Insulation

- Shrinking tubes, silicon, PVC on request.

### Features

- Current capacity up to 4500 Amps available in different configuration.
- Available in flat flexible strip / Round flexible rope & stranded conductors.
- Single or multiple cable termination possible.
- Subject to high rigorous quality control.

### Typical application

- Earthing Tapes
- Switchgear Panels.
- Power generation & Transmission.
- Electrolytic process
- Custom designed and engineered to customers satisfaction.

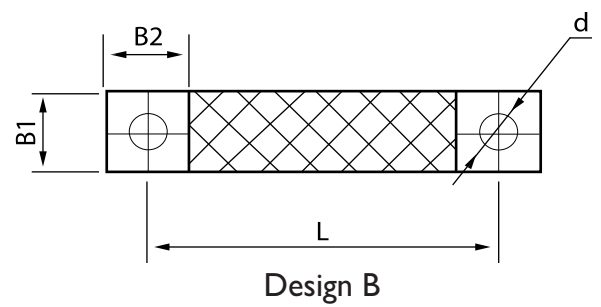
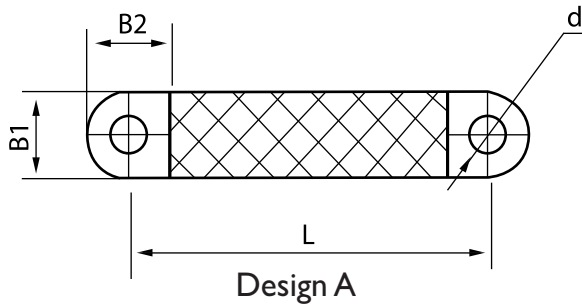
**We aim to improve all aspects of business through continuous change and improvement**





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## Flexible Braided Earthing Tapes



Part No.			Technical data				
			cross-section mm <sup>2</sup>	dimensions mm			
Uncoated	Tinned			B <sub>1</sub>	B <sub>2</sub>	d	L
Design A	EA1012	EA1012T	10	12	12	6.5	acc. to client's wishes
	EA1414	EA1414T	14	14	14	8.5	
	EA1616	EA1616T	16	16	16	8.5	
	EA2525	EA2525T	25	25	25	8.5	
	EA3525	EA3525T	35	25	25	8.5	
	EA5032	EA5032T	50	32	32	8.5	
	EA7045	EA7045T	70	45	45	10.5	
Design B							
	EB1012	EB1012T	10	12	12	6.5	
	EB1414	EB1414T	14	14	14	8.5	
	EB1616	EB1616T	16	16	16	8.5	
	EB2525	EB2525T	25	25	25	8.5	
	EB3525	EB3525T	35	25	25	8.5	
	EB5032	EB5032T	50	32	32	8.5	
	EB7045	EB7045T	70	45	45	10.5	

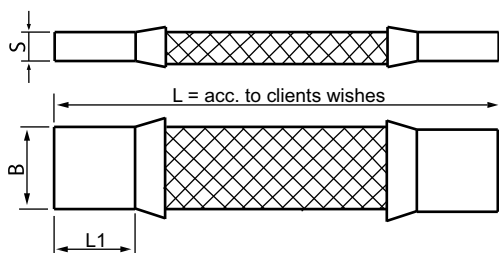
### Remark

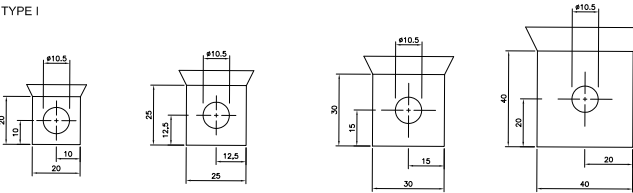
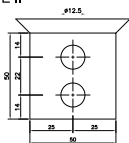
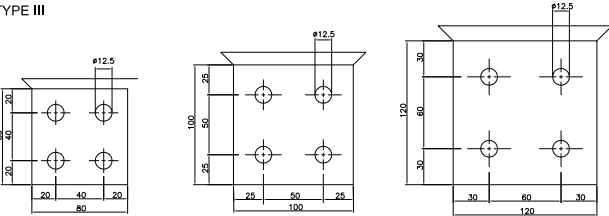
- All information about current-load are approximate values. Please notice that the temperature of the conductor is in dependent on the installation, the application, the cooling, the ambient temperature etc.
- Manufacturing in large as well as small quantites in length acc. to your wishes. On request also with changed drilling deliverable.
- When placing an order please specify the wished changes according to selection form.



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## Flexible Braided Connectors in design 25-4500 mm<sup>2</sup>

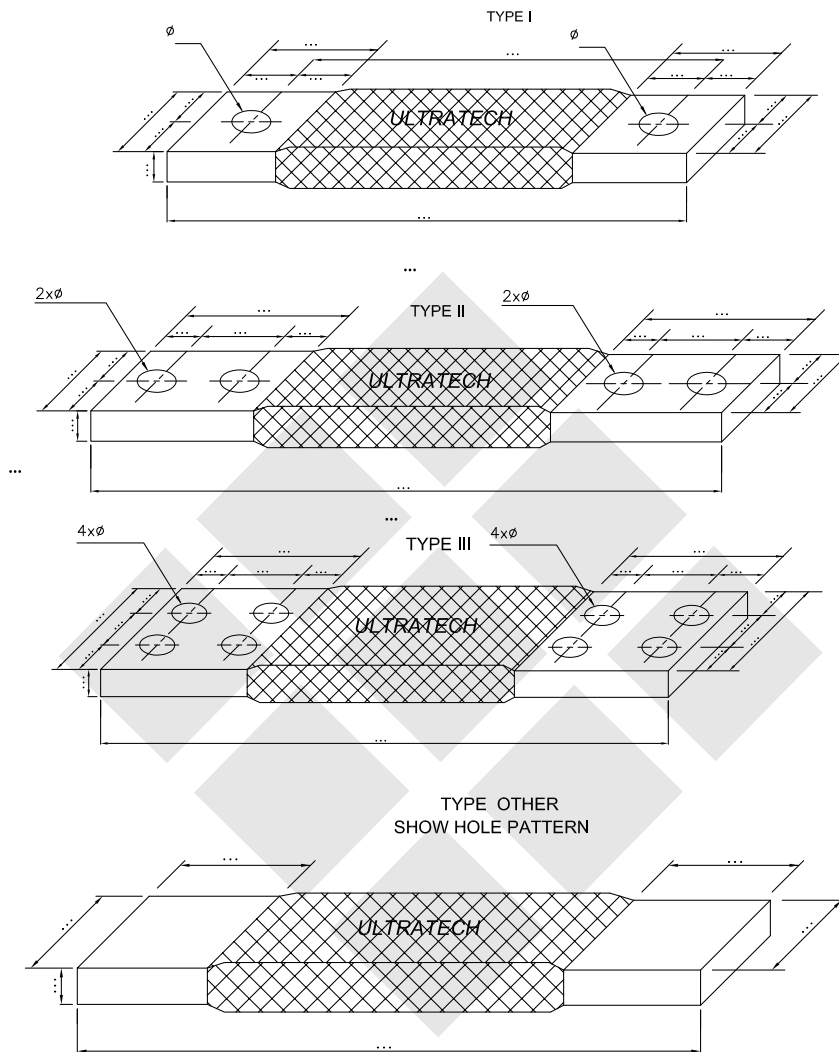


		Technical Data				
		Part No.	Cross - Section mm <sup>2</sup>	Dimensions mm B      L	Current Load AC Amp	Standard Drilling
TYPE I	C6000	25	20	20	140	<div>TYPE I</div> 
	C6001	50			240	
	C6002	75			340	
	C6003	100			380	
	C6004	25	25	25	140	
	C6005	50			280	
	C6006	75			340	
	C6007	100			380	
	C6008	125			450	
	C6009	50	30	30	290	
	C6010	100			380	
	C6011	150			500	
	C6012	200			600	
	C6013	300			790	
	C6014	100	40	40	480	
	C6015	150			590	
	C6016	200			680	
	C6017	250			780	
	C6018	300			850	
C6019	400			980		
TYPE II	C6020	140	50	50	500	<div>TYPE II</div> 
	C6021	210			625	
	C6022	280			750	
	C6023	420			1000	
	C6024	560			1150	
TYPE III	C6025	340	75	75	880	<div>TYPE III</div> 
	C6026	510			1100	
	C6027	680			1400	
	C6028	850			1500	
	C6029	1020			1800	
	C6030	500	100	100	1100	
	C6031	700			1400	
	C6032	900			1550	
	C6033	1000			1800	
	C6034	1200			2150	
	C6035	1500			2300	
	C6036	600	120	120	1200	
	C6037	1050			1850	
	C6038	1500			2300	
	C6039	2100			3100	
	C6040	3000			3650	
	C6041	4500			4500	

### Remark

- All information about current-load are approximate values. Please notice that the temperature of the conductor is in dependent on the installation, the application, the cooling, the ambient temperature etc.
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## Selection Form for Flexible Braided Connectors



### Technical Specification

Cross section area	
Single wire diameter	
Layers of braid	
Amp. rating	
Finish of braid	<input type="checkbox"/> Un coated Copper wire <input type="checkbox"/> Tin coated copper wire <input type="checkbox"/> Silver coated copper wire.
Finish of contact area	<input type="checkbox"/> Un coated copper <input type="checkbox"/> Tin coated <input type="checkbox"/> Silver coated <input type="checkbox"/> Hot Dipped tinned coated
Any special requirement	
Quantity	
Delivery time needed	

### Contact Details

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

[www.ultratechinfinite.com](http://www.ultratechinfinite.com)

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