High-current water-cooled, furnace & shunt cables

UL Tinned-Cu Braid Strap

UL Tinned Copper Flat Grounding & Bonding Braid Strap

UL-listed corrosion-resistant flat woven tinned copper earthing braid

UL 467 Grounding | 600 V · +150 °C | Bare Cu Shunt



Application

UL Tinned Cu Braid weaves fine ASTM B33 tinned annealed copper wires into a flat uninsulated grounding and EMI-bonding strap resistant to salt mist, oxidation, and vibration across switchboards, railcars, and marine cabinets.

Typical uses: Power transformers, switchgear & busduct joints, Resistance welding guns & heavy fabrication shops, BESS battery racks, EV test benches & rectifiers, Steel mills, foundries & high-current power bays

Construction





Cross-section, not to scale

1	**Conductor**	IEC 60228 Class 6 extra-flexible tinned annealed copper · IEC 60228 Class 6
2	**Uninsulated outer weave / lay**	Uninsulated corrosion-resistant tinned copper flat braided surface · UL 467 Grounding

Technical data

Typical values

Rated voltage	600 V	**Test voltage**	2.5 kV AC
Conductor	Tinned Cu · Cl.6	**Core / dielectric**	Uninsulated flat woven ASTM B33 tinned
Impedance / insulation	≥ 1,000 MΩ·km at 20 °C	**Temp. range (fixed)**	-60 °C to +150 °C
Temp. range (flexing)	-60 °C to +150 °C	**Peak / short-circuit**	+160 °C (5 s)
Min. bending radius	5 × OD	**Primary performance**	Salt & Corrosion Proof Tin
Environment / duty	Low-Inductance EMI Bonding	**Mechanical / special**	Flat Ultra-Flex Weave
Outer finish	Uninsulated corrosion-resistant tinned		

Sizes

9 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

	Cross-section (W × H mm)	Outer Ø ≈ mm	Max. R20 Ω/km	Copper index kg/km	Weight ≈ kg/km	Min. bend R 5×D mm
☐	1×10 mm² (12×1.5 mm)	1.5	1.964	91	111	7.5
☐	1×16 mm² (16×1.8 mm)	1.8	1.244	146	174	9.0
☐	1×25 mm² (22×2.0 mm)	2.0	0.802	228	268	10.0
☐	1×35 mm² (25×2.5 mm)	2.5	0.570	318	372	12.0
☐	1×50 mm² (30×3.0 mm)	3.0	0.397	455	529	15.0
☐	1×70 mm² (35×3.5 mm)	3.5	0.280	637	739	18.0
☐	1×95 mm² (40×4.2 mm)	4.2	0.212	864	1,000	21.0
☐	1×120 mm² (45×4.8 mm)	4.8	0.166	1,092	1,262	24.0
☐	1×185 mm² (55×6.0 mm)	6.0	0.109	1,684	1,943	30.0

- Conductor DC resistance R20 at 20 °C per IEC 60228 Class 6.
- For flat braided shunts and foils, Outer Ø indicates nominal thickness in the bending plane.

Standards and approvals

- UL 467 Grounding
- ASTM B33 Tinned Cu
- DIN 46444 (ref.)
- EN 10204 3.1 Factory Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

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tebaoflex.com/cables/ul-tinned-copper-flat-grounding-braid-strap

Typical values for this cable type, based on UL 467 Grounding · ASTM B33 Tinned Cu · DIN 46444 (ref.). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.