High-current water-cooled, furnace & shunt cables

ACC 300-800 Air-Cooled Cable

ACC 300–800 mm² Air-Cooled High-Current Jumper Cable

Heavy 300–800 mm² extra-flexible rubber-sheathed air-cooled furnace jumper



IEC 60228 Class 6 | 1000 V · +90 °C | Air-Cooled HC

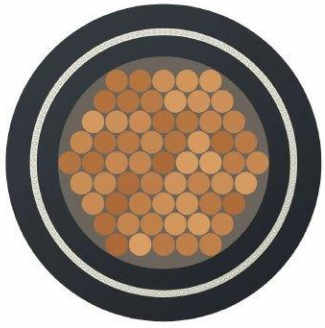
Application

ACC 300–800 Air-Cooled encloses ultra-flexible rope-lay bare copper bundles in a thick heat- & abrasion-resistant black EPDM/PCP rubber sheath for air-cooled transformer, rectifier, and furnace secondary jumpers.

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 bare annealed copper · IEC 60228 Class 6
2	**Cooling core / primary dielectric**	Separator fleece + heavy-duty rubber elastomeric insulation/sheath · IEC 60228 Class 6
3	**Outer sheath / hose**	Black heat-, oil- & abrasion-resistant EPDM/PCP rubber outer sheath · 300–800 mm² High Current

Technical data

Typical values

Rated voltage	1000 V	Test voltage	3.5 kV AC
Conductor	Bare Cu · Cl.6	Core / dielectric	Separator fleece + heavy-duty rubber
Impedance / insulation	≥ 1,000 MΩ·km at 20 °C	Temp. range (fixed)	-30 °C to +90 °C
Temp. range (flexing)	-20 °C to +85 °C	Peak / short-circuit	+160 °C (5 s)
Min. bending radius	8 × OD	Primary performance	300–800 mm² High Current
Environment / duty	Oil, Ozone & Heat Rubber	Mechanical / special	Zero Water System Needed
Outer finish	Black heat-, oil- & abrasion-resistant		

Sizes

5 standard constructions

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

Cross-section mm²	Outer Ø ≈ mm	Max. R20 Ω/km	Copper index kg/km	Weight ≈ kg/km	Min. bend R 8×D mm
☐ 1×300 mm²	31.0	0.064	2,880	4,426	248
☐ 1×400 mm²	34.8	0.049	3,840	5,856	278
☐ 1×500 mm²	38.1	0.038	4,800	7,280	305
☐ 1×630 mm²	41.9	0.029	6,048	9,125	335
☐ 1×800 mm²	46.4	0.024	7,680	11,537	371

- Conductor DC resistance R20 at 20 °C per IEC 60228 Class 6.
- Minimum bending radius calculated at 8 × nominal outer diameter (OD). Custom terminations available on request.

Standards and approvals

- ✓ IEC 60228 Class 6
- ✓ EN 50525-2-81 (ref.)
- ✓ DIN VDE 0282
- ✓ 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

Web
tebaoflex.com/cables/acc-300-800mm2-air-cooled-high-current-cable

Typical values for this cable type, based on IEC 60228 Class 6 · EN 50525-2-81 (ref.) · DIN VDE 0282. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.