1 kVAC screened Litz high-frequency power cable

HSC-1-2SSUB-0

1 kVAC Screened Litz HF Power Cable

IEC 60317 / VDE 0250 · 1 kVAC (3 kVAC test) · −40…+90 °C 600×0.10 mm Litz power cable



1 kVAC HF Power | 600×0.10 mm Litz | Silicone / PUR

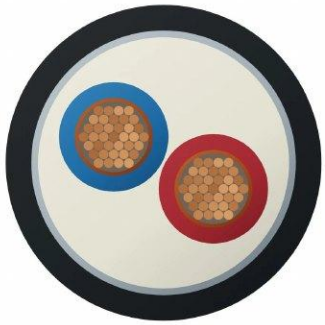
Application

HSC-1-2SSUB-0 1 kVAC screened high-frequency power cable featuring twin 4.7 mm² (600 × 0.10 mm enamelled copper Litz) conductors, flexible silicone dielectric, silicone bedding, tinned copper EMC braid screen and a black PUR jacket.

Typical uses: Inductive Power Transfer (IPT) & Contactless AGV Charging, Induction Heating, Brazing & Melting Generators, High-Frequency Resonant Converters & Plasma Supplies, Industrial Ultrasonic Welding & Cleaning Systems

Construction





Cross-section, not to scale

1	High-Frequency Litz Conductors	IEC 60317 / DIN VDE 0250
2	Primary Core Dielectric	IEC 60317 / DIN VDE 0250
3	Interstitial Bedding	IEC 60317 / DIN VDE 0250
4	EMC Braid Screen	IEC 60317 / DIN VDE 0250
5	Outer Jacket (-0 Black)	IEC 60317 / DIN VDE 0250

Technical data

Typical values

Rated voltage / transmission duty	1 kVAC (IEC 60317 / DIN VDE 0250)	**Core / conductor construction**	High-Frequency Litz Conductors — Two 4.7 mm² high-frequency Litz conductors (600 x 0.10 mm individually enamelled copper strands) minimizing skin and proximity losses
Primary dielectric / insulation	Primary Core Dielectric — High-flexibility extruded silicone rubber core insulation rated for 1 kVAC operating / 3 kVAC test voltage	**Continuous operating temperature**	−40…+90 °C (rated operating envelope)
Storage & transport temperature	−40…+80 °C on export drum or reel	**Outer protection / sheath**	Outer Jacket (-0 Black) — Abrasion-, oil-, and hydrolysis-resistant black thermoplastic polyurethane (TPE-U / PUR) outer jacket (OD 12.1 mm)
Minimum bending radius	6–10 × OD	**Structural layer count**	5 concentric functional layers
Environmental & chemical resistance	Industrial moisture, oils and mechanical wear per IEC 60317 / DIN VDE 0250	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	IEC 60317 / DIN VDE 0250		

Sizes

3 standard constructions

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

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Weight ≈ kg/km	Tensile load kN ≈	Min. bend R mm
HSC-1-2SSUB-0 Construction Schedule (−40…+90 °C) 3 sizes						
☐ **HSC-1-2SSUB-0 2×2.5 mm² Litz**	**2 × 2.5 mm² (320×0.10 mm)**	**320×0.10 mm Cu Litz**	**9.8**	**135**	**0.9**	**60**
☐ **HSC-1-2SSUB-0 2×4.7 mm² Litz**	**2 × 4.7 mm² (600×0.10 mm)**	**600×0.10 mm Cu Litz**	**12.1**	**215**	**1.6**	**75**
☐ **HSC-1-2SSUB-0 2×8.0 mm² Litz**	**2 × 8.0 mm² (1020×0.10 mm)**	**1020×0.10 mm Cu Litz**	**14.8**	**335**	**2.7**	**90**

– Custom core counts, cross-sections, sheath colours and factory-tested cut lengths available per IEC 60317 / DIN VDE 0250.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Capacity	Operating temp.
2 × 2.5 mm² Litz	**7.60**	**1 kVAC (3 kVAC test) / 32 A HF**	**−40…+90 °C**
2 × 4.7 mm² Litz	**3.98**	**1 kVAC (3 kVAC test) / 50 A HF**	**−40…+90 °C**
2 × 8.0 mm² Litz	**2.35**	**1 kVAC (3 kVAC test) / 72 A HF**	**−40…+90 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage dielectric and dimensional verification.

Standards and approvals

- IEC 60317 Compliant
- 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/hsc-1-2ssub-0-1kvac-litz-silicone-pur-screened-hf-power-cable

Typical values for this cable type, based on IEC 60317 / DIN VDE 0250. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.