Power & distribution cables

BS 8436 300/500V Screened Flexishield LSZH

Cable



BS 8436 / BS 7671 · 300/500 V · -25°C to +90°C · Min. bend 12 × OD

BS 8436 / BS 7671 | 300/500 V

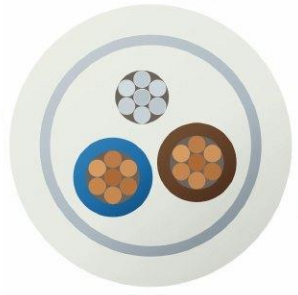
Application

BS 8436 300/500V Screened Flexishield LSZH Cable manufactured to BS 8436 / BS 7671, rated 300/500 V and -25°C to +90°C with a 12 × OD minimum bending radius for infrastructure & construction installations.

Typical uses: Power distribution & utility networks, Railways, tunnels & public infrastructure, Process instrumentation & oil/gas skids, Industrial automation & control cabinets, Renewable energy, marine & heavy industry

Construction





Cross-section, not to scale

1	**Conductor**	2×2.5 mm² Class 2 Stranded Cu (Brown, Blue) + 1×2.5 mm² Tinned Copper CPC
2	**Insulation & Core Identification**	BS 8436 GP8 XLPE core insulation (2.5 mm² Class 2 Copper)
3	**Screen / Bedding / Armour Layer**	Non-hygroscopic polyester binder tape + Longitudinally formed tubed aluminium safety screen
4	**Outer Protective Sheath**	White Low Smoke Zero Halogen (LSZH) outer sheath (OD 9.7 mm)

Technical data

Typical values

Nominal / reference voltage	300/500 V	Conductor & core insulation	2×2.5 mm² Class 2 Stranded Cu (Brown, Blue) + 1×2.5 mm² Tinned Copper CPC · BS 8436 GP8 XLPE core insulation (2.5 mm² Class 2 Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-25°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	BS 8436 / BS 7671
Minimum bending radius	12 × OD	Screening / armour architecture	Non-hygroscopic polyester binder tape + Longitudinally formed tubed aluminium safety screen
Outer sheath material & colour	White Low Smoke Zero Halogen (LSZH) outer sheath (OD 9.7 mm)	Standards	BS 8436 / BS 7671

Sizes

3 standard constructions

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

Part designation	Configuration	Conductor & shield	Insulation / wall	Outer sheath	Outer diameter mm	Min. bend radius mm	Max. conductor resistance @ 20 °C Ω/km	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
BS 8436 300/500V Screened Flexishield LSZH 3 sizes										
☐ BS 8436 300/500V Screened Flexishield LSZH (2×2.5 mm²)	2×2.5 mm²	Stranded Tinned Copper	BS 8436 GP8 XLPE core insulation	LSZH Jacket	9.7	116	7.24	114.9	221	25 A
☐ BS 8436 300/500V Screened Flexishield LSZH (2×4 mm²)	2×4 mm²	Stranded Tinned Copper	BS 8436 GP8 XLPE core insulation	LSZH Jacket	11.4	137	4.53	160.2	308	34 A
☐ BS 8436 300/500V Screened Flexishield LSZH (2×6 mm²)	2×6 mm²	Stranded Tinned Copper	BS 8436 GP8 XLPE core insulation	LSZH Jacket	13.4	161	3.02	218.9	421	43 A

– Dimensions and weights are nominal manufacturing targets subject to standard production tolerances.

Standards and approvals

- ✓ BS 8436 / BS 7671 Compliant
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ CE, UKCA, 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/bs-8436-300-500v-screened-flexishield-lszh-cable

Typical values for this cable type, based on Reference specification per BS 8436 / BS 7671 (BS 8436 300/500V Screened Flexishield LSZH). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.