Power & distribution cables

LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese

Copper-Tape Screened MV



IEC 60502-2 / NP 2356 · 3.6/6 kV – 18/30 (36) kV · -25°C to +90°C · Min. bend 15 × OD

IEC 60502-2 / NP 2356 | 3.6/6–18/30 kV

Application

LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese Copper-Tape Screened MV manufactured to IEC 60502-2 / NP 2356, rated 3.6/6 kV – 18/30 (36) kV and -25°C to +90°C with a 15 × OD minimum bending radius for renewable energy 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**	1×150 mm² Class 2 Stranded Al
2	**Insulation & Core Identification**	Portuguese LXHIE XLPE dielectric (150 mm² Class 2 Stranded Aluminium)
3	**Screen / Bedding / Armour Layer**	Helical copper tape metallic screen (HI) + Polyester separator tape
4	**Outer Protective Sheath**	Black Polyethylene (PE Type ST7) outer sheath (OD 29.5 mm)

Technical data

Typical values

Nominal / reference voltage	3.6/6 kV – 18/30 (36) kV	Conductor & core insulation	1×150 mm² Class 2 Stranded Al · Portuguese LXHIE XLPE dielectric (150 mm² Class 2 Stranded Aluminium)
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	IEC 60502-2 / NP 2356
Minimum bending radius	15 × OD	Screening / armour architecture	Helical copper tape metallic screen (HI) + Polyester separator tape
Outer sheath material & colour	Black Polyethylene (PE Type ST7) outer sheath (OD 29.5 mm)	Standards	IEC 60502-2 / NP 2356

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	Conductor weight kg/km	Cable weight kg/km	Key electrical / optical rating
LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese 3 sizes										
☐ LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese (1×150 mm²)	1×150 mm²	Class 2 Compacted Stranded Aluminium	Portuguese LXHIE XLPE dielectric	Outdoor PE	29.5	442	0.19	545.7	1,436	250 A
☐ LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese (1×185 mm²)	1×185 mm²	Class 2 Compacted Stranded Aluminium	Portuguese LXHIE XLPE dielectric	Outdoor PE	34.8	522	0.15	759.6	1,999	286 A
☐ LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese (1×240 mm²)	1×240 mm²	Class 2 Compacted Stranded Aluminium	Portuguese LXHIE XLPE dielectric	Outdoor PE	40.7	610	0.12	1,039.3	2,735	336 A

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

Standards and approvals

- ✓ IEC 60502-2 / NP 2356 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/lxhie-lxhiv-3-6-6kv-18-30kv-portuguese-copper-tape-screened-mv

Typical values for this cable type, based on Reference specification per IEC 60502-2 / NP 2356 (LXHIE / LXHIV 3.6/6kV–18/30kV Portuguese). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.