Power & distribution cables

XHIE / XHIV 3.6/6kV–18/30kV Portuguese

Copper-Tape Screened Cu 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

XHIE / XHIV 3.6/6kV–18/30kV Portuguese Copper-Tape Screened Cu 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 Cu
2	Insulation & Core Identification	Portuguese XHIE XLPE dielectric (150 mm² Class 2 Stranded Copper)
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 Cu · Portuguese XHIE XLPE dielectric (150 mm² Class 2 Stranded 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**	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	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
XHIE / XHIV 3.6/6kV–18/30kV Portuguese 3 sizes										
☐ XHIE / XHIV 3.6/6kV–18/30kV Portuguese (1×150 mm²)	1×150 mm²	Class 2 Stranded Plain Copper	Portuguese XHIE XLPE dielectric	Outdoor PE	29.5	442	0.12	1,063.4	2,045	324 A
☐ XHIE / XHIV 3.6/6kV–18/30kV Portuguese (1×185 mm²)	1×185 mm²	Class 2 Stranded Plain Copper	Portuguese XHIE XLPE dielectric	Outdoor PE	34.8	522	0.10	1,481.0	2,848	371 A
☐ XHIE / XHIV 3.6/6kV–18/30kV Portuguese (1×240 mm²)	1×240 mm²	Class 2 Stranded Plain Copper	Portuguese XHIE XLPE dielectric	Outdoor PE	40.7	610	0.08	2,025.4	3,895	436 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/xhie-xhiv-3-6-6kv-18-30kv-portuguese-copper-tape-screened-cu-mv

Typical values for this cable type, based on Reference specification per IEC 60502-2 / NP 2356 (XHIE / XHIV 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.