

Marine & offshore shipboard cables

XAI 3.6/6kV–18/30kV IEC 60092-354

IEC 60092-354 / IEC 60332-3-22 Cat A · 3.6/6–18/30 kV · -25°C to +90°C · Min. bend 10 × OD

IEC 60092-354 / IEC 60332-3-22 Cat A | 3.6/6–18/30 kV

Application

XAI 3.6/6kV–18/30kV IEC 60092-354 manufactured to IEC 60092-354 / IEC 60332-3-22 Cat A, rated 3.6/6 kV – 18/30 (36) kV and -25°C to +90°C with a 10 × OD minimum bending radius for oil, gas & petrochemical 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	3C×35 mm² Class 5 Cu
2	Insulation & Core Identification	HF conductor screen + HEPR-HF dielectric + HF insulation screen (35 mm²)
3	Screen / Bedding / Armour Layer	Fibreglass tape & fibreglass rope filler + SHF1 inner sheath + Plain Copper Wire Braid Armour (XAI)
4	Outer Protective Sheath	Red SHF1 halogen-free low-smoke outer sheath (IEC 60092-354 / 360)

Technical data

Typical values

Nominal / reference voltage	3.6/6 kV – 18/30 (36) kV	Conductor & core insulation	3C×35 mm² Class 5 Cu · HF conductor screen + HEPR-HF dielectric + HF insulation screen (35 mm²)
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 60092-354 / IEC 60332-3-22 Cat A
Minimum bending radius	10 × OD	Screening / armour architecture	Fibreglass tape & fibreglass rope filler + SHF1 inner sheath + Plain Copper Wire Braid Armour (XAI)
Outer sheath material & colour	Red SHF1 halogen-free low-smoke outer sheath (IEC 60092-354 / 360)	Standards	IEC 60092-354 / IEC 60332-3-22 Cat A

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
XAI 3.6/6kV–18/30kV IEC 60092-354 3 sizes										
☐ XAI 3.6/6kV–18/30kV IEC 60092-354 (3C×35 mm²)	3C×35 mm²	Class 5 Flexible Plain Copper	HF conductor screen + HEPR-HF dielectric + HF insulation	LSZH Jacket	16.5	165	0.52	332.8	640	131 A
☐ XAI 3.6/6kV–18/30kV IEC 60092-354 (3C×50 mm²)	3C×50 mm²	Class 5 Flexible Plain Copper	HF conductor screen + HEPR-HF dielectric + HF insulation	LSZH Jacket	19.5	195	0.36	463.3	891	159 A
☐ XAI 3.6/6kV–18/30kV IEC 60092-354 (3C×70 mm²)	3C×70 mm²	Class 5 Flexible Plain Copper	HF conductor screen + HEPR-HF dielectric + HF insulation	LSZH Jacket	22.8	228	0.26	633.4	1,218	202 A

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

Standards and approvals

- ✓ IEC 60092-354 / IEC 60332-3-22 Cat A 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/xai-3-6-6kv-18-30kv-iec-60092-354**

Typical values for this cable type, based on Reference specification per IEC 60092-354 / IEC 60332-3-22 Cat A (XAI 3.6/6kV–18/30kV IEC 60092-354). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.