Marine & offshore shipboard cables

XAI(i) 150/250V IEC 60092-376

IEC 60092-376 / IEC 60332-3-22 Cat A · 150/250 V · -25°C to +90°C · Min. bend 10 × OD

IEC 60092-376 / IEC 60332-3-22 Cat A | 150/250 V



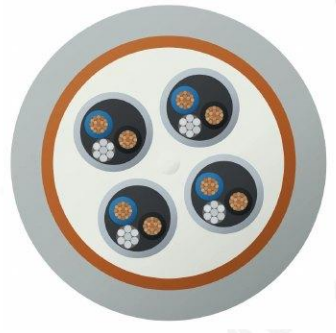
Application

XAI(i) 150/250V IEC 60092-376 manufactured to IEC 60092-376 / IEC 60332-3-22 Cat A, rated 150/250 (300) V 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**	4P×0.75 mm² Flexible Plain Cu
2	**Insulation & Core Identification**	XLPE insulation (0.75 mm² Flexible Cu, Black & Light-Blue)
3	**Screen / Bedding / Armour Layer**	Halogen-free binder tape + Plain Copper Wire Braid Armour (XAI(i))
4	**Outer Protective Sheath**	Grey SHF1 halogen-free low-smoke outer sheath (OD 12.0 mm)

Technical data

Typical values

Nominal / reference voltage	150/250 (300) V	Conductor & core insulation	4P×0.75 mm² Flexible Plain Cu · XLPE insulation (0.75 mm² Flexible Cu, Black & Light-Blue)
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 60092-376 / IEC 60332-3-22 Cat A
Minimum bending radius	10 × OD	Screening / armour architecture	Halogen-free binder tape + Plain Copper Wire Braid Armour (XAI(i))
Outer sheath material & colour	Grey SHF1 halogen-free low-smoke outer sheath (OD 12.0 mm)	Standards	IEC 60092-376 / 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(i) 150/250V IEC 60092-376 3 sizes										
☐ XAI(i) 150/250V IEC 60092-376 (4P×0.75 mm²)	4P×0.75 mm²	Class 5 Flexible Plain Copper	XLPE insulation	LSZH Jacket	12.0	120	24.13	175.8	338	4 A
☐ XAI(i) 150/250V IEC 60092-376 (8P×0.75 mm²)	8P×0.75 mm²	Class 5 Flexible Plain Copper	XLPE insulation	LSZH Jacket	14.2	142	24.13	244.9	471	4 A
☐ XAI(i) 150/250V IEC 60092-376 (12P×0.75 mm²)	12P×0.75 mm²	Class 5 Flexible Plain Copper	XLPE insulation	LSZH Jacket	16.6	166	24.13	334.9	644	4 A

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

Standards and approvals

- ✓ IEC 60092-376 / 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-i-150-250v-iec-60092-376**

Typical values for this cable type, based on Reference specification per IEC 60092-376 / IEC 60332-3-22 Cat A (XAI(i) 150/250V IEC 60092-376). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.