Marine & offshore shipboard cables

# XI(c) 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

XI(c) 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** | 100% Al/PE collective foil tape + tinned copper drain wire |
| 4 | **Outer Protective Sheath** | Grey SHF1 halogen-free low-smoke outer sheath (IEC 60092-376) |

## 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** | 100% Al/PE collective foil tape + tinned copper drain wire |
| **Outer sheath material & colour** | Grey SHF1 halogen-free low-smoke outer sheath (IEC 60092-376) | **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **XI(c) 150/250V IEC 60092-376** 3 sizes | | | | | | | | | | |
| ☐ XI(c) 150/250V IEC 60092-376 (4P×0.75 mm²) | 4P×0.75 mm² | Class 5 Flexible Plain Copper | XLPE insulation | LSZH Jacket | 10.0 | 100 | 24.13 | 122.2 | 235 | 4 A |
| ☐ XI(c) 150/250V IEC 60092-376 (8P×0.75 mm²) | 8P×0.75 mm² | Class 5 Flexible Plain Copper | XLPE insulation | LSZH Jacket | 11.8 | 118 | 24.13 | 170.0 | 327 | 4 A |
| ☐ XI(c) 150/250V IEC 60092-376 (12P×0.75 mm²) | 12P×0.75 mm² | Class 5 Flexible Plain Copper | XLPE insulation | LSZH Jacket | 13.8 | 138 | 24.13 | 233.0 | 448 | 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/xi-c-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 (XI(c) 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.