Power & distribution cables

NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV

Transformer Lead Cable



NF C 33-224 / NF C 33-225 · 3.6/6–6/10 kV · -25°C to +90°C · Min. bend 15 × OD

NF C 33-224 / NF C 33-225 | 3.6/6–6/10 kV

Application

NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV Transformer Lead Cable manufactured to NF C 33-224 / NF C 33-225, rated 3.6/6 (7.2) kV / 6/10 (12) 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	1×95 mm² Stranded Tinned/Bare Cu
2	Insulation & Core Identification	NF C 33-225 thick-wall 6/10kV XLPE dielectric over semi-con screen (95 mm² TC)
3	Screen / Bedding / Armour Layer	Semi-conducting separator tape
4	Outer Protective Sheath	Red cross-linked XLPE / elastomer outer sheath (10 kV Red ID, OD 22.4 mm)

Technical data

Typical values

Nominal / reference voltage	3.6/6 (7.2) kV / 6/10 (12) kV	Conductor & core insulation	1×95 mm² Stranded Tinned/Bare Cu · NF C 33-225 thick-wall 6/10kV XLPE dielectric over semi-con screen (95 mm² TC)
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	NF C 33-224 / NF C 33-225
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conducting separator tape
Outer sheath material & colour	Red cross-linked XLPE / elastomer outer sheath (10 kV Red ID, OD 22.4 mm)	Standards	NF C 33-224 / NF C 33-225

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
NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV 3 sizes										
☐ NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV (1×95 mm²)	1×95 mm²	Stranded Tinned Copper	NF C 33-225 thick-wall 6/10kV XLPE dielectric over	Elastomer Jacket	22.4	336	0.19	613.1	1,179	244 A
☐ NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV (1×120 mm²)	1×120 mm²	Stranded Tinned Copper	NF C 33-225 thick-wall 6/10kV XLPE dielectric over	Elastomer Jacket	26.4	396	0.15	853.8	1,642	282 A
☐ NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV (1×150 mm²)	1×150 mm²	Stranded Tinned Copper	NF C 33-225 thick-wall 6/10kV XLPE dielectric over	Elastomer Jacket	30.9	464	0.12	1,167.9	2,246	324 A

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

Standards and approvals

- ✓ NF C 33-224 / NF C 33-225 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/nf-c-33-224-nf-c-33-225-3-6-6kv-6-10kv-transformer-lead-cable

Typical values for this cable type, based on Reference specification per NF C 33-224 / NF C 33-225 (NF C 33-224 / NF C 33-225 3.6/6kV–6/10kV). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.