Power & distribution cables

TSLF 18/30(36)kV HD 620-10K Nordic

CAS-Screened MV Cable

HD 620-10K / NEK · 12/20 (24) kV – 18/30 (36) kV · -50°C to +90°C · Min. bend 15 × OD

HD 620-10K / NEK | 12/20–18/30 kV



Application

TSLF 18/30(36)kV HD 620-10K Nordic CAS-Screened MV Cable manufactured to HD 620-10K / NEK, rated 12/20 (24) kV – 18/30 (36) kV and -50°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	1×240/35 mm² Watertight Stranded Al
2	Insulation & Core Identification	HD 620-10K TSLF 18/30kV XLPE dielectric (240 mm² Watertight Aluminium)
3	Screen / Bedding / Armour Layer	Semi-conductive longitudinal water-blocking swellable tape + Helical copper wire screen (35 mm²) + equalising tape + Polyethylene-laminated 0.2 mm aluminium foil radial moisture barrier (CAS)
4	Outer Protective Sheath	Black arctic-grade Polyethylene (PE DMP 2) outer sheath (OD 45.0 mm)

Technical data

Typical values

Nominal / reference voltage	12/20 (24) kV – 18/30 (36) kV	Conductor & core insulation	1×240/35 mm² Watertight Stranded Al · HD 620-10K TSLF 18/30kV XLPE dielectric (240 mm² Watertight Aluminium)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-50°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	HD 620-10K / NEK
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-blocking swellable tape + Helical copper wire screen (35 mm²) + equalising tape + Polyethylene-laminated 0.2 mm aluminium foil radial moisture barrier (CAS)
Outer sheath material & colour	Black arctic-grade Polyethylene (PE DMP 2) outer sheath (OD 45.0 mm)	Standards	HD 620-10K / NEK

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	Conductor weight kg/km	Cable weight kg/km	Key electrical / optical rating
TSLF 18/30(36)kV HD 620-10K Nordic 3 sizes										
☐ TSLF 18/30(36)kV HD 620-10K Nordic (1×240/35 mm²)	1×240/35 mm²	Class 2 Watertight Compacted Aluminium	HD 620-10K TSLF 18/30kV XLPE dielectric	Outdoor PE	45.0	675	0.12	1,269.6	3,341	336 A
☐ TSLF 18/30(36)kV HD 620-10K Nordic (1×300/35 mm²)	1×300/35 mm²	Class 2 Watertight Compacted Aluminium	HD 620-10K TSLF 18/30kV XLPE dielectric	Outdoor PE	53.1	796	0.09	1,767.8	4,652	385 A
☐ TSLF 18/30(36)kV HD 620-10K Nordic (1×400/35 mm²)	1×400/35 mm²	Class 2 Watertight Compacted Aluminium	HD 620-10K TSLF 18/30kV XLPE dielectric	Outdoor PE	62.1	932	0.07	2,417.9	6,363	445 A

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

Standards and approvals

- ✓ HD 620-10K / NEK 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/tslf-18-30-36-kv-hd-620-10k-nordic-cas-screened-mv-cable**

Typical values for this cable type, based on Reference specification per HD 620-10K / NEK (TSLF 18/30(36)kV HD 620-10K Nordic). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.