Power & distribution cables

XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF / PN-HD 620

PN-HD 620 / IEC 60502-2 · 6/10–18/30 kV · -25°C to +90°C · Min. bend 15 × OD



PN-HD 620 / IEC 60502-2 | 6/10–18/30 kV

Application

XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF / PN-HD 620 manufactured to PN-HD 620 / IEC 60502-2, rated 6/10 (12) kV / 12/20 (24) kV / 18/30 (36) 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**	1×120/25 mm² RM Stranded Cu
2	**Insulation & Core Identification**	PN-HD 620 XRUHKXS XLPE dielectric (120 mm² Stranded Copper)
3	**Screen / Bedding / Armour Layer**	Semi-conductive longitudinal water-blocking swellable tape (U) + Helical copper wire screen (25 mm²) + counter-helix copper tape + Bonded Aluminium/Polyethylene radial moisture barrier (RU)
4	**Outer Protective Sheath**	Black Medium-Density Polyethylene (MDPE) outer sheath (OD 30.8 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 (12) kV / 12/20 (24) kV / 18/30 (36) kV	Conductor & core insulation	1×120/25 mm² RM Stranded Cu · PN-HD 620 XRUHKXS XLPE dielectric (120 mm² Stranded Copper)
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	PN-HD 620 / IEC 60502-2
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-blocking swellable tape (U) + Helical copper wire screen (25 mm²) + counter-helix copper tape + Bonded Aluminium/Polyethylene radial moisture barrier (RU)
Outer sheath material & colour	Black Medium-Density Polyethylene (MDPE) outer sheath (OD 30.8 mm)	Standards	PN-HD 620 / IEC 60502-2

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
XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF 3 sizes										
☐ XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF (1×120/25 mm²)	1×120/25 mm²	Class 2 Stranded Plain Copper	PN-HD 620 XRUHKXS XLPE dielectric	Outdoor PE	30.8	462	0.15	1,159.1	2,229	282 A
☐ XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF (1×150/25 mm²)	1×150/25 mm²	Class 2 Stranded Plain Copper	PN-HD 620 XRUHKXS XLPE dielectric	Outdoor PE	36.3	544	0.12	1,614.1	3,104	324 A
☐ XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF (1×185/25 mm²)	1×185/25 mm²	Class 2 Stranded Plain Copper	PN-HD 620 XRUHKXS XLPE dielectric	Outdoor PE	42.5	638	0.10	2,207.4	4,245	371 A

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

Standards and approvals

- ✓ PN-HD 620 / IEC 60502-2 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/xhkxs-xuhkxs-xruhkxs-6-10kv-18-30kv-zn-tf-pn-hd-620**

Typical values for this cable type, based on Reference specification per PN-HD 620 / IEC 60502-2 (XHKXS / XUHKXS / XRUHKXS 6/10kV–18/30kV ZN-TF). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.