Power & distribution cables

EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN

HD 620



NBN HD 620-10C / Synergrid · 0.6/1 kV – 8.7/15 kV · -25°C to +90°C · Min. bend 15 × OD

NBN HD 620-10C / Synergrid | 0.6/1–8.7/15 kV

Application

EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN HD 620 manufactured to NBN HD 620-10C / Synergrid, rated 0.6/1 kV – 8.7/15 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	1×150/25 mm² Class 2 Compacted Al
2	Insulation & Core Identification	NBN HD 620 XLPE dielectric (150 mm² Class 2 Compacted Aluminium)
3	Screen / Bedding / Armour Layer	Semi-conductive longitudinal water-blocking tape + Helical copper wire screen + copper equalising tape
4	Outer Protective Sheath	Red Low Smoke Zero Halogen (LSZH) outer sheath (OD 30.2 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV – 8.7/15 kV	Conductor & core insulation	1×150/25 mm² Class 2 Compacted Al · NBN HD 620 XLPE dielectric (150 mm² Class 2 Compacted Aluminium)
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	NBN HD 620-10C / Synergrid
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-blocking tape + Helical copper wire screen + copper equalising tape
Outer sheath material & colour	Red Low Smoke Zero Halogen (LSZH) outer sheath (OD 30.2 mm)	Standards	NBN HD 620-10C / Synergrid

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
EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN 3 sizes										
☐ EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN (1×150/25 mm²)	1×150/25 mm²	Class 2 Compacted Stranded Aluminium	NBN HD 620 XLPE dielectric	LSZH Jacket	30.2	453	0.19	571.9	1,505	250 A
☐ EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN (1×185/25 mm²)	1×185/25 mm²	Class 2 Compacted Stranded Aluminium	NBN HD 620 XLPE dielectric	LSZH Jacket	35.6	534	0.15	796.1	2,095	286 A
☐ EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN (1×240/25 mm²)	1×240/25 mm²	Class 2 Compacted Stranded Aluminium	NBN HD 620 XLPE dielectric	LSZH Jacket	41.7	626	0.12	1,089.1	2,866	336 A

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

Standards and approvals

- ✓ NBN HD 620-10C / Synergrid 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/eaxcg-eaxcwb-eaxcvb-0-6-1kv-8-7-15kv-nbn-hd-620**

Typical values for this cable type, based on Reference specification per NBN HD 620-10C / Synergrid (EAXCG / EAXCWB / EAXCVB 0.6/1kV–8.7/15kV NBN). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.