Power & distribution cables

RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV

UNE-HD 620-10E

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



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

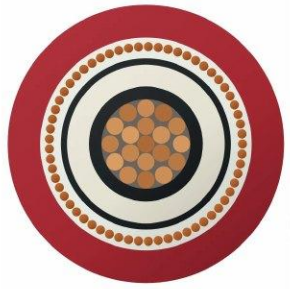
Application

RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV UNE-HD 620-10E manufactured to UNE-HD 620-10E / IEC 60502-2, rated 6/10 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	1×150/16 mm² Class 2 Stranded Cu
2	Insulation & Core Identification	UNE-HD 620 XLPE dielectric (150 mm² Class 2 Stranded Copper)
3	Screen / Bedding / Armour Layer	Helical copper wire screen (16 mm²) + counter-helix copper tape + Halogen-free separator binder tape
4	Outer Protective Sheath	Red DMZ1 (AS) high flame-retardant Low Smoke Zero Halogen outer sheath (OD 31.4 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 kV / 12/20 (24) kV / 18/30 (36) kV	Conductor & core insulation	1×150/16 mm² Class 2 Stranded Cu · UNE-HD 620 XLPE dielectric (150 mm² Class 2 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	UNE-HD 620-10E / IEC 60502-2
Minimum bending radius	15 × OD	Screening / armour architecture	Helical copper wire screen (16 mm²) + counter-helix copper tape + Halogen-free separator binder tape
Outer sheath material & colour	Red DMZ1 (AS) high flame-retardant Low Smoke Zero Halogen outer sheath (OD 31.4 mm)	Standards	UNE-HD 620-10E / 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
RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV 3 sizes										
☐ RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV (1×150/16 mm²)	1×150/16 mm²	Class 2 Stranded Plain Copper	UNE-HD 620 XLPE dielectric	LSZH Jacket	31.4	471	0.12	1,204.8	2,317	324 A
☐ RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV (1×185/16 mm²)	1×185/16 mm²	Class 2 Stranded Plain Copper	UNE-HD 620 XLPE dielectric	LSZH Jacket	37.1	556	0.10	1,677.5	3,226	371 A
☐ RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV (1×240/16 mm²)	1×240/16 mm²	Class 2 Stranded Plain Copper	UNE-HD 620 XLPE dielectric	LSZH Jacket	43.3	650	0.08	2,294.8	4,413	436 A

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

Standards and approvals

- ✓ UNE-HD 620-10E / 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/rhz1-as-rhz1-al-as-12-20kv-18-30kv-une-hd-620-10e

Typical values for this cable type, based on Reference specification per UNE-HD 620-10E / IEC 60502-2 (RHZ1 (AS) / RHZ1-AL (AS) 12/20kV–18/30kV). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.