Power & distribution cables

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

UNE-HD 620



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

UNE-HD 620-10E / Endesa | 6/10–18/30 kV

Application

RHZ1-OL / RHZ1-OL(AS) AL/CU 12/20kV–18/30kV UNE-HD 620 manufactured to UNE-HD 620-10E / Endesa, 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	1×240/16 mm² Class 2 Stranded Al
2	Insulation & Core Identification	UNE-HD 620 RHZ1-OL XLPE dielectric (240 mm² Stranded Aluminium)
3	Screen / Bedding / Armour Layer	Semi-conductive longitudinal water-blocking swellable tape (OL) + Helical copper wire screen (16 mm²) + counter-helix copper tape + Non-woven water-swellable wrapping tape
4	Outer Protective Sheath	Red DMZ2 halogen-free polyolefin outer sheath (OD 36.2 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 kV / 12/20 (24) kV / 18/30 (36) kV	Conductor & core insulation	1×240/16 mm² Class 2 Stranded Al · UNE-HD 620 RHZ1-OL XLPE dielectric (240 mm² Stranded 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	UNE-HD 620-10E / Endesa
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-blocking swellable tape (OL) + Helical copper wire screen (16 mm²) + counter-helix copper tape + Non-woven water-swellable wrapping tape
Outer sheath material & colour	Red DMZ2 halogen-free polyolefin outer sheath (OD 36.2 mm)	Standards	UNE-HD 620-10E / Endesa

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
RHZ1-OL / RHZ1-OL(AS) AL/CU 12/20kV–18/30kV 3 sizes										
☐ RHZ1-OL / RHZ1-OL(AS) AL/CU 12/20kV–18/30kV (1×240/16 mm²)	1×240/16 mm²	Class 2 Compacted Stranded Aluminium	UNE-HD 620 RHZ1-OL XLPE dielectric	LSZH Jacket	36.2	543	0.12	821.6	2,162	336 A
☐ RHZ1-OL / RHZ1-OL(AS) AL/CU 12/20kV–18/30kV (1×300/16 mm²)	1×300/16 mm²	Class 2 Compacted Stranded Aluminium	UNE-HD 620 RHZ1-OL XLPE dielectric	LSZH Jacket	42.7	640	0.09	1,144.2	3,011	385 A
☐ RHZ1-OL / RHZ1-OL(AS) AL/CU 12/20kV–18/30kV (1×400/16 mm²)	1×400/16 mm²	Class 2 Compacted Stranded Aluminium	UNE-HD 620 RHZ1-OL XLPE dielectric	LSZH Jacket	50.0	750	0.07	1,564.8	4,118	445 A

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

Standards and approvals

- ✓ UNE-HD 620-10E / Endesa 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-ol-rhz1-ol-as-al-cu-12-20kv-18-30kv-une-hd-620**

Typical values for this cable type, based on Reference specification per UNE-HD 620-10E / Endesa (RHZ1-OL / RHZ1-OL(AS) AL/CU 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.