Power & distribution cables

RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV

Endesa / Iberdrola



UNE-HD 620-10E / Endesa DNZ001 · 12/20–18/30 kV · -25°C to +90°C · Min. bend 15 × OD

UNE-HD 620-10E / Endesa DNZ001 | 12/20–18/30 kV

Application

RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV Endesa / Iberdrola manufactured to UNE-HD 620-10E / Endesa DNZ001, rated 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 Watertight Stranded Al
2	**Insulation & Core Identification**	UNE-HD 620 RHZ1-2OL XLPE dielectric (150 mm² Watertight Aluminium)
3	**Screen / Bedding / Armour Layer**	Semi-conductive longitudinal water-swellable tape (OL) + Helical copper wire screen (16 mm²) + equalising copper tape + Aluminium/copolymer radial water-blocking barrier (2OL)
4	**Outer Protective Sheath**	Red DMZ1 (AS) Low Smoke Zero Halogen outer sheath (OD 33.0 mm)

Technical data

Typical values

Nominal / reference voltage	12/20 (24) kV – 18/30 (36) kV	Conductor & core insulation	1×150/16 mm² Watertight Stranded Al · UNE-HD 620 RHZ1-2OL XLPE dielectric (150 mm² Watertight 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 DNZ001
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-swellable tape (OL) + Helical copper wire screen (16 mm²) + equalising copper tape + Aluminium/copolymer radial water-blocking barrier (2OL)
Outer sheath material & colour	Red DMZ1 (AS) Low Smoke Zero Halogen outer sheath (OD 33.0 mm)	Standards	UNE-HD 620-10E / Endesa DNZ001

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
RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV 3 sizes										
☐ RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV (1×150/16 mm²)	1×150/16 mm²	Class 2 Watertight Compacted Aluminium	UNE-HD 620 RHZ1-2OL XLPE dielectric	LSZH Jacket	33.0	495	0.19	682.9	1,797	250 A
☐ RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV (1×185/16 mm²)	1×185/16 mm²	Class 2 Watertight Compacted Aluminium	UNE-HD 620 RHZ1-2OL XLPE dielectric	LSZH Jacket	38.9	584	0.15	950.8	2,502	286 A
☐ RHZ1-2OL / RHZ1-2OL(AS) AL 12/20kV–18/30kV (1×240/16 mm²)	1×240/16 mm²	Class 2 Watertight Compacted Aluminium	UNE-HD 620 RHZ1-2OL XLPE dielectric	LSZH Jacket	45.5	682	0.12	1,300.4	3,422	336 A

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

Standards and approvals

- ✓ UNE-HD 620-10E / Endesa DNZ001 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/rhz1-2ol-rhz1-2ol-as-al-12-20kv-18-30kv-endesa-iberdrola**

Typical values for this cable type, based on Reference specification per UNE-HD 620-10E / Endesa DNZ001 (RHZ1-2OL / RHZ1-2OL(AS) AL 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.