Power & distribution cables

RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356

Aluminium LV Cable

UNE 21123-2 / NP 2356 / IEC 60502-1 · 0.6/1 kV · -25°C to +90°C · Min. bend 12 × OD

UNE 21123-2 / NP 2356 / IEC 60502-1 | 0.6/1 kV



Application

RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356 Aluminium LV Cable manufactured to UNE 21123-2 / NP 2356 / IEC 60502-1, rated 0.6/1 kV and -25°C to +90°C with a 12 × OD minimum bending radius for infrastructure & construction 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	4×25 mm² Class 2 Stranded Al
2	Insulation & Core Identification	UNE 21123-2 XLPE core insulation (25 mm² Class 2 Stranded Aluminium)
3	Screen / Bedding / Armour Layer	Extruded plastomeric inner filler
4	Outer Protective Sheath	Black UV-resistant Type ST2 PVC outer sheath (OD 22.4 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	4×25 mm² Class 2 Stranded Al · UNE 21123-2 XLPE core insulation (25 mm² Class 2 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 21123-2 / NP 2356 / IEC 60502-1
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded plastomeric inner filler
Outer sheath material & colour	Black UV-resistant Type ST2 PVC outer sheath (OD 22.4 mm)	Standards	UNE 21123-2 / NP 2356 / IEC 60502-1

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
RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356 3 sizes										
☐ RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356 (4×25 mm²)	4×25 mm²	Class 2 Compacted Stranded Aluminium	UNE 21123-2 XLPE core insulation	Industrial PVC	22.4	269	1.13	314.6	828	81 A
☐ RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356 (4×35 mm²)	4×35 mm²	Class 2 Compacted Stranded Aluminium	UNE 21123-2 XLPE core insulation	Industrial PVC	26.4	317	0.81	438.1	1,153	101 A
☐ RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356 (4×50 mm²)	4×50 mm²	Class 2 Compacted Stranded Aluminium	UNE 21123-2 XLPE core insulation	Industrial PVC	30.9	371	0.56	599.3	1,577	122 A

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

Standards and approvals

- ✓ UNE 21123-2 / NP 2356 / IEC 60502-1 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/rv-al-lxv-0-6-1kv-une-21123-np-2356-aluminium-lv-cable**

Typical values for this cable type, based on Reference specification per UNE 21123-2 / NP 2356 / IEC 60502-1 (RV-AL / LXV 0.6/1kV UNE 21123 / NP 2356). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.