Power & distribution cables

RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4

Flexible Green LSZH Cable



UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca · 0.6/1–1.8/3 kV · -25°C to +90°C · 15 × OD

UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca | 0.6/1–1.8/3 kV

Application

RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4 Flexible Green LSZH Cable manufactured to UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca, rated 0.6/1 kV & 1.8/3 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**	5G6.0 mm² Class 5 Flexible Cu
2	**Insulation & Core Identification**	UNE 21123-4 XLPE core insulation (6.0 mm² Class 5 Flexible Copper)
3	**Screen / Bedding / Armour Layer**	Halogen-free flame-retardant inner filler
4	**Outer Protective Sheath**	Green DMZ1 (AS) Low Smoke Zero Halogen outer sheath (OD 15.8 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV & 1.8/3 kV	Conductor & core insulation	5G6.0 mm² Class 5 Flexible Cu · UNE 21123-4 XLPE core insulation (6.0 mm² Class 5 Flexible 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 21123-4 / IEC 60502-1 / CPR B2ca/Cca
Minimum bending radius	15 × OD	Screening / armour architecture	Halogen-free flame-retardant inner filler
Outer sheath material & colour	Green DMZ1 (AS) Low Smoke Zero Halogen outer sheath (OD 15.8 mm)	Standards	UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca

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
RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4 3 sizes										
☐ RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4 (5G6 mm²)	5G6 mm²	Class 5 Flexible Plain Copper	UNE 21123-4 XLPE core insulation	LSZH Jacket	15.8	237	3.02	305.2	587	43 A
☐ RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4 (5G10 mm²)	5G10 mm²	Class 5 Flexible Plain Copper	UNE 21123-4 XLPE core insulation	LSZH Jacket	18.6	279	1.81	424.8	817	60 A
☐ RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4 (5G16 mm²)	5G16 mm²	Class 5 Flexible Plain Copper	UNE 21123-4 XLPE core insulation	LSZH Jacket	21.8	327	1.13	580.8	1,117	80 A

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

Standards and approvals

- ✓ UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca 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/rz1-k-as-0-6-1kv-1-8-3kv-une-21123-4-flexible-green-lszh-cable

Typical values for this cable type, based on Reference specification per UNE 21123-4 / IEC 60502-1 / CPR B2ca/Cca (RZ1-K (AS) 0.6/1kV–1.8/3kV UNE 21123-4). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.