



GOST KGE / KGESh screened mining & excavator cables

KGET

Tropical-Grade Screened Excavator Rubber Trailing Cable

GOST 13497 / 15150-T 6/6 kV & 10/10 kV tropical-grade screened excavator rubber trailing



GOST 13497 / GOST 15150-T

6/6 kV · 10/10 kV

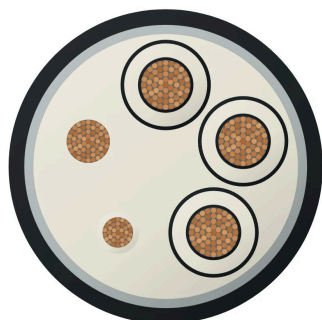
Tropical UV, Mould & Termite Proof

Application

KGET (КГЭТ) is a tropical-climate execution (Т = тропическое исполнение per GOST 15150) 6/6 kV (3.6/6 kV) and 10/10 kV (6/10 kV) screened flexible rubber excavator trailing cable per GOST 13497, compounded with mould-, termite-, ozone-, and intense

Typical uses: Tropical open-pit bauxite & nickel mines, Equatorial copper, gold & iron mines, 6 kV & 10 kV electric rope shovels, Monsoon-zone quarry & dredger feeders

Construction



Cross-section, not to scale

1	Tinned copper conductors	GOST 22483 Class 5
2	Central semi-conductive cradle	GOST 13497
3	Inner conductor screen	GOST 13497
4	Tropicalised MV EPR insulation	GOST 13497
5	Outer core screen (Э)	GOST 13497
6	Tropical outer sheath (Т)	GOST 15150-T / GOST 13497

Technical data

Typical values

Rated voltage	6 kV (3.6/6 kV) & 10 kV (6/10 kV) AC, 50/60	AC routine test voltage	15 kV rms (6 kV) · 20 kV rms (10 kV) / 5 min
Auxiliary / earth core rating	380 V AC	Semi-conductive screen resistivity	≤ 250 Ω·cm
Max. conductor operating temp.	+85 °C / +90 °C continuous	Ambient temperature range	-20 °C to +55 °C (solar surface up to +75 °C)
Relative humidity rating	Up to 98 % RH at +35 °C per GOST 15150-T1	Min. bending radius	6 × cable outer diameter
Max. tensile load on copper	19.6 N/mm ² (2.0 kgf/mm ²)	Mould & fungus resistance	GOST 9.048 / IEC 60068-2-10 zero fungal
Solar UV & ozone resistance	Intense equatorial solar radiation stabilised	Oil & flame resistance	GOST IEC 60332-1-2 & EN 60811-404
Standards	GOST 13497 / GOST 15150-T1 (КГЭТ)		

Sizes

10 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Configuration	Phase size mm ²	Outer Ø ≈ mm	Copper kg/km	Weight ≈ kg/km	Min. bend R fixed mm
Standard KGET configurations 10 sizes						
☐ KGET 3×16+1×10 - 6 kV	3×16 + 1×10 (6/6 kV)	16	36.5	560	1,710	219
☐ KGET 3×25+1×10 - 6 kV	3×25 + 1×10 (6/6 kV)	25	40.0	820	2,150	240
☐ KGET 3×35+1×10 - 6 kV	3×35 + 1×10 (6/6 kV)	35	43.2	1,110	2,610	259
☐ KGET 3×50+1×16 - 6 kV	3×50 + 1×16 (6/6 kV)	50	47.8	1,600	3,320	287
☐ KGET 3×70+1×25 - 6 kV	3×70 + 1×25 (6/6 kV)	70	53.0	2,260	4,250	318
☐ KGET 3×95+1×35 - 6 kV	3×95 + 1×35 (6/6 kV)	95	58.8	3,095	5,420	353
☐ KGET 3×120+1×50 - 6 kV	3×120 + 1×50 (6/6 kV)	120	64.0	3,960	6,590	384
☐ KGET 3×35+1×10 - 10 kV	3×35 + 1×10 (10/10 kV)	35	48.5	1,110	3,120	291
☐ KGET 3×50+1×16 - 10 kV	3×50 + 1×16 (10/10 kV)	50	53.2	1,600	3,890	319
☐ KGET 3×70+1×25 - 10 kV	3×70 + 1×25 (10/10 kV)	70	58.5	2,260	4,890	351

– Outer diameters and weights are nominal factory values subject to ±5 % manufacturing tolerance per GOST 13497 / GOST 15150-T (КГЭТ).

Electrical & ampacity data

10 sizes

Configuration	Max. DC R @ 20 °C Ω/km	Current rating in air (A)	Current rating installed (A)	Mutual C pF/m≈	AC test V _{rms}
3×16 + 1×10 (6/6 kV)	1.240	93	79	136	11,000
3×25 + 1×10 (6/6 kV)	0.799	122	104	151	11,000
3×35 + 1×10 (6/6 kV)	0.568	150	128	168	11,000
3×50 + 1×16 (6/6 kV)	0.396	187	159	192	11,000
3×70 + 1×25 (6/6 kV)	0.279	229	195	226	11,000
3×95 + 1×35 (6/6 kV)	0.211	276	235	267	11,000
3×120 + 1×50 (6/6 kV)	0.165	319	271	308	11,000
3×35 + 1×10 (10/10 kV)	0.568	150	128	168	17,000
3×50 + 1×16 (10/10 kV)	0.396	187	159	192	17,000
3×70 + 1×25 (10/10 kV)	0.279	229	195	226	17,000

– Current ratings apply at +30 °C ambient in free air; apply standard derating factors for elevated ambient or drum layers.

Standards and approvals

- ✓ GOST 13497
- ✓ GOST 15150-T1
- ✓ EN 10204 3.1

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/kget-tropical-grade-screened-excavator-rubber-trailing-cable



Typical values for this cable type, based on GOST 13497 / GOST 15150-T (КГЭТ). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.