



GOST KGE / KGESh screened mining & excavator cables

KGETSh

Heavy-Duty Screened Mining Trailing Rubber Cable

GOST 24334 / TU 3541 660/1140 V & 1.9/3.3 kV heavy-duty (T) screened mine trailing cable



GOST 24334 / TU 3541

660/1140 V · 1.9/3.3 kV

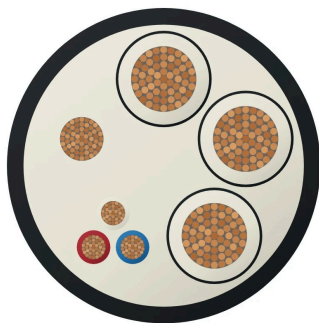
Heavy-Duty (T) · Dual Sheath

Application

KGETSh (КГЭТШ) is an extra-heavy-duty (Т = тяжелый) screened underground mine (Ш = шахтный) trailing rubber cable per GOST 24334 and TU 3541 for 660/1140 V and 1.9/3.3 kV coal shearers and heavy roadheaders, featuring reinforced dual-layer polychloroprene

Typical uses: High-output longwall coal faces, 1140 V & 3300 V coal shearers, Heavy hard-rock roadheaders, Underground potash & ore haulage

Construction



Cross-section, not to scale

1	Phase, earth & control conductors	GOST 22483 Class 5
2	Profiled central rubber cradle	GOST 24334 / TU 3541
3	+90 °C EPR insulation	GOST 24334 / TU 3541
4	Phase & control screens (Э)	GOST 24334
5	Inner sheath	TU 3541
6	Heavy-duty textile braid (Т)	TU 3541
7	Extra-heavy outer sheath (Ш)	GOST 24334

Technical data

Typical values

Rated voltage U0/U	660/1140 V (0.66/1.14 kV) & 1.9/3.3 kV AC	AC routine test voltage	3.5 kV rms (1.14 kV) · 6.5 kV rms (3.3 kV)
Control core rating	220/380 V AC screened pilot/control	Insulation resistance @ 20 °C	≥ 100 MΩ·km
Max. conductor operating temp.	+90 °C continuous	Max. short-circuit temperature	+250 °C (5 s)
Ambient temperature range	-30 °C to +55 °C	Heavy-duty impact rating	Double-sheath + textile braid resists ≥
Min. bending radius	5 × D (1.14 kV) · 6 × D (3.3 kV)	Max. tensile load	25 N/mm ² on copper cross-section
Flame retardancy	GOST IEC 60332-1-2 underground mine flame	Oil & hydraulic emulsion	DIN EN 60811-404 / GOST RShN-1
Tear & abrasion resistance	Extra-heavy-duty coal-face compound	Standards	GOST 24334 / TU 3541 (КГЭТШ)

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 KGETSh configurations 10 sizes						
☐ KGETSh 3×25+1×16+3×2.5 - 1140 V	3×25 + 1×16E + 3×2.5 (1140 V)	25	38.5	960	2,080	192
☐ KGETSh 3×35+1×16+3×2.5 - 1140 V	3×35 + 1×16E + 3×2.5 (1140 V)	35	42.2	1,250	2,560	211
☐ KGETSh 3×50+1×25+3×2.5 - 1140 V	3×50 + 1×25E + 3×2.5 (1140 V)	50	47.0	1,780	3,290	235
☐ KGETSh 3×70+1×25+3×2.5 - 1140 V	3×70 + 1×25E + 3×2.5 (1140 V)	70	52.2	2,360	4,180	261
☐ KGETSh 3×95+1×35+3×2.5 - 1140 V	3×95 + 1×35E + 3×2.5 (1140 V)	95	57.8	3,190	5,320	289
☐ KGETSh 3×120+1×50+3×2.5 - 1140 V	3×120 + 1×50E + 3×2.5 (1140 V)	120	62.5	4,050	6,420	312
☐ KGETSh 3×50+1×25+3×4 - 1.9/3.3 kV	3×50 + 1×25E + 3×4 (1.9/3.3 kV)	50	50.5	1,830	3,740	252
☐ KGETSh 3×70+1×35+3×4 - 1.9/3.3 kV	3×70 + 1×35E + 3×4 (1.9/3.3 kV)	70	55.8	2,510	4,720	279
☐ KGETSh 3×95+1×50+3×4 - 1.9/3.3 kV	3×95 + 1×50E + 3×4 (1.9/3.3 kV)	95	61.2	3,390	5,960	306
☐ KGETSh 3×120+1×50+3×4 - 1.9/3.3 kV	3×120 + 1×50E + 3×4 (1.9/3.3 kV)	120	66.0	4,110	7,080	330

– Outer diameters and weights are nominal factory values subject to ±5 % manufacturing tolerance per GOST 24334 / TU 3541 (КГЭТШ).

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}
3×25 + 1×16E + 3×2.5 (1140 V)	0.799	122	104	151	3,500
3×35 + 1×16E + 3×2.5 (1140 V)	0.568	150	128	168	3,500
3×50 + 1×25E + 3×2.5 (1140 V)	0.396	187	159	192	3,500
3×70 + 1×25E + 3×2.5 (1140 V)	0.279	229	195	226	3,500
3×95 + 1×35E + 3×2.5 (1140 V)	0.211	276	235	267	3,500
3×120 + 1×50E + 3×2.5 (1140 V)	0.165	319	271	308	3,500
3×50 + 1×25E + 3×4 (1.9/3.3 kV)	0.396	187	159	192	6,500
3×70 + 1×35E + 3×4 (1.9/3.3 kV)	0.279	229	195	226	6,500
3×95 + 1×50E + 3×4 (1.9/3.3 kV)	0.211	276	235	267	6,500
3×120 + 1×50E + 3×4 (1.9/3.3 kV)	0.165	319	271	308	6,500

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

Standards and approvals

- ✓ GOST 24334 / TU 3541
- ✓ GOST IEC 60332-1-2
- ✓ 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

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Email

info@tebaoflex.com

Web

tebaoflex.com/cables/kgetsh-heavy-duty-screened-mining-trailing-rubber-cable



Typical values for this cable type, based on GOST 24334 / TU 3541 (КГЭТШ). Values for your order are confirmed in the quotation. Subject to change without notice.
Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.