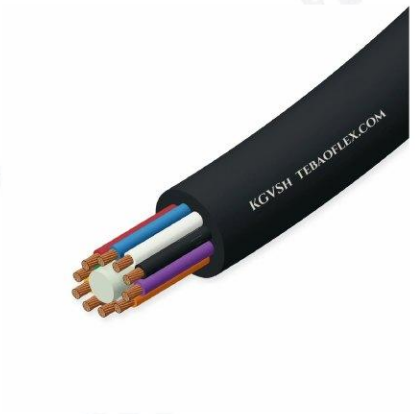
Central tension-core flexible mine control cable

KGVSh

380/660 V Underground Mine Control & Interlock Cable

TU 16-505.167-78 / GOST 22483 · 380/660 V · Central tension-core mine control cable



TU 16-505.167-78 | 380/660 V AC / 500 V DC | Central Tension Core

Application

KGVSh 380/660 V AC (500 V DC) flexible underground coal mine control and face-conveyor interlock cable to TU 16-505.167-78, featuring a central polyester load-bearing core, single-layer Class 4/5 copper conductors and a hermetic FR-PVC jacket.

Typical uses: Underground Coal & Hard-Rock Mining, Open-Cast Excavators, Draglines & Shovels, Vertical Mine Shafts, Hoists & Boreholes, Tunneling, Mineral Processing & Slurry Plants

Construction





Cross-section, not to scale

1. Central Polyester Tension Core
2. Flexible Conductors (10×1.5 mm²)
3. PVC Core Insulation
4. Hermetic Mining PVC Jacket

Technical data

Typical values

Rated voltage / transmission duty	380/660 V (TU 16-505.167-78 / GOST 22483)	**Core / conductor construction**	Central Polyester Tension Core — Twisted high-tenacity polyester yarn core absorbing axial pulling loads
Primary dielectric / buffering	Flexible Conductors (10×1.5 mm²) — GOST 22483 Class 4/5 flexible multi-wire bare copper conductors	**Continuous operating temperature**	-30 to +70 °C (mining & industrial service)
Short-circuit / peak thermal rating	Verified thermal stability per TU 16-505.167-78 / GOST 22483	**Storage & transport temperature**	−40...+80 °C on export wooden/steel drum
Outer protection / armouring	Hermetic Mining PVC Jacket — Extruded oil-, tear- and flame-resistant PVC jacket locking core interstices	**Minimum bending radius**	8 × OD
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per TU 16-505.167-78 / GOST 22483	**Flame retardancy & mine fire safety**	Self-extinguishing / flame-retardant mining jacket per TU 16-505.167-78 / GOST 22483
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per TU 16-505.167-78 / GOST 22483	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	TU 16-505.167-78 / GOST 22483		

Sizes

3 standard constructions

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

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
KGVSh Construction Schedule (-30 to +70 °C) 3 sizes						
☐ **KGVSh 6×1.5 mm²**	**6 × 1.5 mm² + Central Core**	**Class 5 bare Cu**	**12.2**	**215**	**1.8**	**98**
☐ **KGVSh 10×1.5 mm²**	**10 × 1.5 mm² + Central Core**	**Class 5 bare Cu**	**15.6**	**340**	**2.6**	**125**
☐ **KGVSh 12×2.5 mm²**	**12 × 2.5 mm² + Central Core**	**Class 5 bare Cu**	**19.4**	**545**	**3.8**	**155**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per TU 16-505.167-78 / GOST 22483.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
6 × 1.5 mm² + Central Core	**13.30**	**380/660 V (≥100 MΩ·km)**	**-30 to +70 °C**
10 × 1.5 mm² + Central Core	**13.30**	**380/660 V (≥100 MΩ·km)**	**-30 to +70 °C**
12 × 2.5 mm² + Central Core	**7.98**	**380/660 V (≥100 MΩ·km)**	**-30 to +70 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage Spark/AC dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- TU 16-505.167 Compliant
- EN 10204 3.1 Factory Test Certificate
- CE, 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/kgvsh-380-660v-central-tension-core-flexible-underground-mine-control-cable

Typical values for this cable type, based on TU 16-505.167-78 / GOST 22483. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.