TECHNICAL CROSS-REFERENCE GUIDE · 2026 EDITION | ЦЕНТРАЛЬНАЯ АЗИЯ (КЗ / УЗ / КГ)

China GB/T ↔ Central Asia GOST / EAC Special Industrial Cable Guide

Справочник соответствия кабелей GB/T ↔ ГОСТ / EAC для Казахстана, Узбекистана и Кыргызстана

Cold-Resistant -60°C · Mining Reeling · Oilfield · Submersible Pump · High-Temp · MV Armoured



EST. 1996	40,000+ m²	3 SUBSIDIARIES	12–24 HOURS
30 Years Cable Manufacturing	Quanzhou, Fujian Production Base	Special & Power Cable Lines	Factory Quote & BOQ Review

About This Engineering Guide: Prepared by KEXINGYU Cable Group for EPC contractors, mining operators, oil & gas buyers, and cable importers in Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, and Turkmenistan. Use this manual to match Chinese factory special cable designations directly with regional GOST / EAC tender specifications, convert mm² to AWG/MCM, and request factory-direct pricing with SGS/BV inspection.

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GB/T ↔ GOST / EAC Special Cable Cross-Reference (Таблица соответствия)

High-margin engineered industrial cables stocked & custom-manufactured by KEXINGYU for Central Asia climates (-60°C to +180°C).

Cable Category / Категория	KEXINGYU / GB/T / DIN Type	GOST / CIS Equivalent (Аналог ГОСТ)	Key Technical Rating	Primary Central Asia Use
Cold-Resistant -60°C Морозостойкий	CEFR (90) / JZ-500 (IEC/EN 60228)	КВБШвнг(А)-ХЛ МКЭШв-ХЛ (-60°C)	0.6/1 kV, -60°C to +70°C, SWA armor + foil shield	KZ / UZ winter oilfields, substations & Arctic mines
Mining & Crane Reeling Барабанный / Шахтный	NSHTÖU (DIN VDE 0250) Type 622 MV Trailing	КГ-ХЛ / КГН / КГЭШ (до 120 м/мин)	0.6/1 kV (3 kV test) & 6–15 kV MV, -40°C~+80°C	Open-pit excavators, mines, crane reels & heavy conveyors
Oilfield & Drilling Нефтегазовый	535MCM Oil-Resistant LSZH EPR (IEEE 45 ref)	Маслостойкий силовой кабель для буровых	0.6/2 kV, 125°C max, LSZH mud & oil resistant	Kazakhstan oilfields, refineries & drilling rigs
Chemical / Sewage TPU Химостойкий TPU	Corrosion-Resistant TPU (IEC 60228 Class 6)	Химостойкий экран. PUR/TPU (-45°C)	300/500V & 0.6/1kV OEM, acid/alkali 168h tested	Chemical plants, fertilizers, wastewater & cold wash-down
Deep-Well Submersible Водопогружной 500м	JHS / JHSB Deep-Well (IEC 60228 Class 5)	ВПП / ВПВ (для глубинных насосов)	0.6/1 kV & 1.6/3 kV, 500m depth, -40°C~+80°C	Agricultural irrigation wells & mine dewatering pumps
High-Temp Silicone Термостойкий силикон	SiHF-C-Si Shielded (DIN VDE 0295 Cl. 5)	РКГМ / ПРКС / SiHF (до +180°C / +220°C)	300/500 V, -60°C~+180°C, 85% braid, halogen-free	Metallurgy, smelters, cement kilns & thermal power plants
Fire-Resistant Signal Огнестойкий FE180	LI-HCH FE180 LSZH (BS 6387 / IEC 60331)	КПСЭнг(А)-FRLS (огнестойкий 180 мин)	300/500 V, unarmoured std / optional OEM SWA	Commercial buildings, tunnels, fire-alarm & data centers
MV XLPE Armoured Средневольтный 6-35кВ	MV XLPE AWA/SWA (IEC 60502-2, 25–630mm²)	ПвБШв / АПвБШв (6, 10, 20, 35 кВ)	3.6/6 kV to 18/30(36) kV, triple-extruded XLPE	Utility grids, mining substations & industrial underground ducts
Bulk Power & Building Силовой / Монтажный	YJV / YJY / BV / BVR (CCC IEC 60227-3)	ВВГнг(А)-LS / ВБШв ПуВ / ПуГВ	450/750 V & 0.6/1 kV, full container wholesale	Distributor restocking & paired container shipments

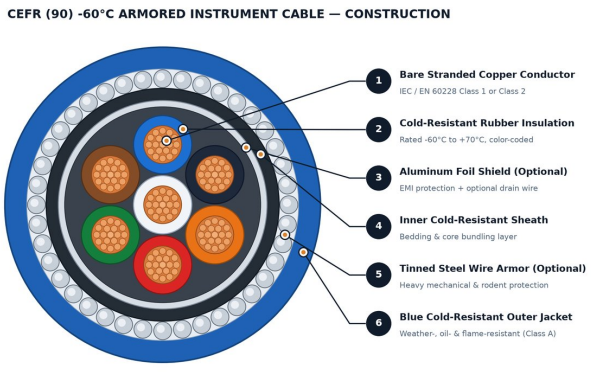
Note / Примечание: Equivalents indicate functional & structural alignment for tender review. Final dimensions, conductor class, sheath compound, and test protocols are confirmed in KEXINGYU's project Technical Data Sheet (TDS) prior to production.

Conductor Conversion (mm² ↔ AWG / MCM) & Flagship Construction

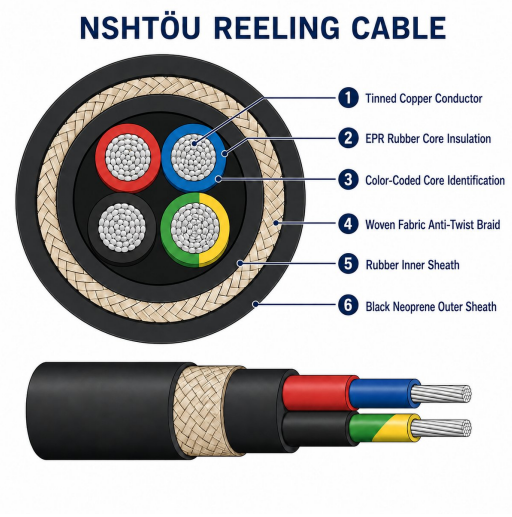
Quick engineering reference for converting Russian/IEC metric cross-sections (мм²) with AWG/MCM offshore and OEM drawings.

IEC / GB (mm²)	Nearest AWG / MCM	Class 2 / Cl. 5 Typical Use	IEC / GB (mm²)	Nearest AWG / MCM	Typical Application
0.5 mm²	AWG 20	Shielded control & silicone signal	25 mm²	AWG 4	LV/MV feeder & reeling
0.75 mm²	AWG 18	FE180 fire alarm / TPU control	35 mm²	AWG 2	Submersible & industrial power
1.0 mm²	AWG 17	Instrument & crane control	50 mm²	AWG 1 / 1/0	MV XLPE / heavy reeling
1.5 mm²	AWG 16	Fire-resistant / lighting / control	70 mm²	2/0 AWG	Substations & oilfield feeders
2.5 mm²	AWG 14	Power control / submersible pump	95 mm²	3/0 AWG	6kV–35kV MV armoured
4.0 mm²	AWG 12	Pump motors / heavy control	120 mm²	4/0 AWG	Utility & data center MV
6.0 mm²	AWG 10	Submersible & mobile power	150–240 mm²	300–500 MCM	Main industrial distribution
10–16 mm²	AWG 8 – 6	3-phase motor / crane reels	271–630 mm²	535–1250 MCM	Drilling rigs (535MCM) & HV/MV

Central Asia Flagship Constructions: -60°C Armored (CEFR-90) & Mining Reeling (NSHTÖU)



CEFR (90) -60°C Cold-Resistant Armored Cable (GOST ХЛ Equiv.)



NSHTÖU Anti-Twist Mining & Crane Reeling Cable (КГ-ХЛ Equiv.)

Custom conductor sizes, shield coverage (≥80–85%), steel wire / Kevlar tensile members, and cold-climate sheath formulations are OEM configurable.

Factory Proof, Quality Inspection & Central Asia Export Logistics

Direct factory transparency from Quanzhou, Fujian — built for cross-border trust with Kazakhstan, Uzbekistan & CIS buyers.



Real Quanzhou Stranding Line



Export Wooden Drum Container Loading


CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

Official English CCC Cert (IEC 60227-3)

Quality Assurance, Customs & Overland/Rail Delivery (Контроль качества и доставка)

• Verified Factory Credentials: Founded 1996, 40,000+ m² site, 3 manufacturing subsidiaries. Official English/Chinese CCC Certificate No. 2022170105004698 (citing IEC 60227-3:1997, valid through Sep 26, 2027) & No. 2022170105004699.

• Third-Party Witness Testing: Every batch ships with factory routine HV, resistance & cold-bend test reports. Pre-shipment inspection by SGS, Bureau Veritas (BV), or Intertek is supported before balance payment.

• Compliance & Customs Support: Full commercial invoice, packing list, Certificate of Origin, English/Russian Technical Passport (Технический паспорт), and partner compliance support for destination EAC / customs clearance.

• Overland Truck & Rail Logistics: Export-grade ISPM-15 wooden or steel-wood drums engineered for road & rail transit via Khorgos / Alashankou to Almaty, Astana, Tashkent, Bishkek, and Dushanbe.

How to Get an Exact Factory Quote in 12–24 Hours (Как получить расчет цены)

Send your BOQ or specification list via Email / WhatsApp / Telegram with:
1) Cable type or GOST / IEC equivalent 2) Voltage & core count × cross-section (e.g. 4×16 mm²)
3) Operating temperature / installation environment 4) Total length (m) & destination city (EXW / FOB / DAP)
Direct Export Desk: info@kxy-group.com | WhatsApp / Telegram: +86 136 1591 2663 | Web: https://kxy-group.com/products/cables-wires/special-wire-and-cable/