TECHNICAL CROSS-REFERENCE GUIDE · 2026 EDITION | THỊ TRƯỜNG VIỆT NAM (TCVN / IEC)

China GB/T ↔ Vietnam TCVN / IEC Special Industrial Cable Guide

Bảng Quy Đổi Tiêu Chuẩn Cáp Công Nghiệp Đặc Chủng GB/T ↔ TCVN / IEC cho Nhà Máy & Dự Án Việt Nam

High-Temp Silicone · Robot/PUR Automation · Chemical TPU · 500m Submersible · FE180 · 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 Vietnamese industrial park EPCs, electronics & manufacturing plants (Bac Ninh, Hai Phong, Binh Duong, Dong Nai), pump OEMs, and electrical importers. Directly match Chinese factory high-margin special cables to TCVN & IEC standards — backed by ASEAN Form E, short China-to-Vietnam transit times, and flexible OEM production.

KEXINGYU CABLE GROUP CO., LTD. | https://kxy-group.com/

Email: info@kxy-group.com | WhatsApp / Telegram: +86 136 1591 2663 | Quanzhou, Fujian, China (Est. 1996)

GB/T ↔ TCVN / IEC Special Cable Cross-Reference (Bảng Quy Đổi)

Engineered industrial cables where factory-direct China OEM outperforms local commodity supply in specialty performance & price.

Cable Series / Chủng loại	KEXINGYU / GB / DIN Type	Vietnam TCVN / IEC Equiv.	Key Technical Rating	Target Vietnam Applications
High-Temp Silicone Cáp chịu nhiệt 180°C	SiHF-C-Si Double-Sheath (DIN VDE 0295 Cl. 5)	IEC 60228 Cl. 5 / IEC 60754 Cáp silicone bọc chống nhiễu	300/500 V, -60°C~+180°C (+220°C peak), 85% braid	Steel, glass, cement, plastic injection & kiln factories
Robot & CNC PUR Cáp robot / xích kéo	ANRBT900DP-SP Composite Polyether TPU	VDE 0293-308 / IEC 60332 Cáp điều khiển PUR chịu uốn	0.08–2.5 mm², ±360° torsion, overall + pair EMI shield	Bac Ninh / Hai Phong electronics & CNC automation plants
Chemical / Sewage TPU Cáp chống ăn mòn	Corrosion-Resistant TPU (300/500V & 0.6/1kV OEM)	IEC 60228 Cl. 6 / IEC 60332 Cáp chống hóa chất vỏ TPU	-45°C~+90°C, ≥80% braid, acid/alkali 168h tested	Chemical zones, seafood/food wash-down & wastewater plants
Deep-Well Submersible Cáp bơm chìm 500m	JHS / JHSB Deep-Well Waterproof EPDM/PUR	H07RN8-F / IEC 60245 Cáp cao su bơm chìm chịu nước	0.6/1 kV & 1.6/3 kV, 500m depth, optional Kevlar	Pump OEMs, aquaculture, agriculture & mine dewatering
Fire-Resistant LSZH Cáp chống cháy FE180	LI-HCH FE180 LSZH (Unarmoured / OEM SWA)	IEC 60331-21 / BS 6387 CWZ TCVN 5935 / Cáp chống cháy	300/500 V, 180-min circuit integrity, low-smoke zero-hal.	High-rise buildings, factories, fire alarm & data centers
Port Crane & Mining Cáp tang cuốn cẩu	NSHTÖU Heavy Reeling (Anti-Twist Neoprene)	DIN VDE 0250-814 Cáp cao su tang cuốn cần trục	0.6/1 kV, up to 120 m/min, oil/UV/abrasion resistant	Hai Phong / Cat Lai port cranes, quarries & coal mining
Oilfield & Refinery Cáp chịu dầu giàn khoan	535MCM Oil-Resistant LSZH EPR (271 mm²)	IEEE 45 / IEC 61892-4 Cáp lực chịu dầu chống cháy	0.6/2 kV, 125°C continuous, salt-spray & oil resistant	Vung Tau offshore oil & gas & petrochemical refineries
MV XLPE Armoured Cáp trung thế bọc giáp	MV XLPE AWA/SWA (6–36 kV, 25–630 mm²)	TCVN 5935-2 / IEC 60502-2 CXV/DSTA or Cu/XLPE/SWA	3.6/6 kV to 18/30(36) kV (22 kV & 35 kV grids)	Industrial park substations, solar/wind farms & EPCs
LV Power & Building Cáp hạ thế / Dân dụng	YJV / YJY / BV / BVR (CCC IEC 60227-3)	TCVN 5935-1 / TCVN 6610 CXV / CVV / CV equivalent	450/750 V & 0.6/1 kV, OEM container consolidation	Wholesalers & bundled project shipments

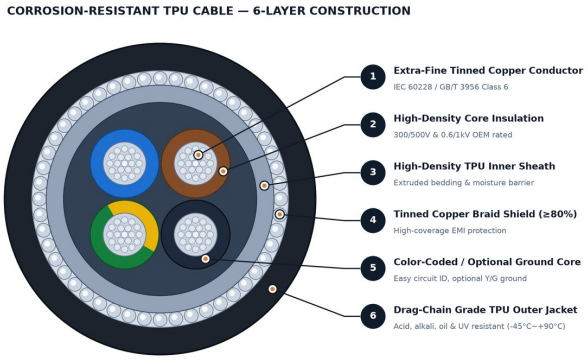
Lưu ý kỹ thuật / Note: Equivalents guide initial BOM matching. Full TCVN/IEC dimensional tables, OEM marking, and sample testing are confirmed prior to mass production.

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

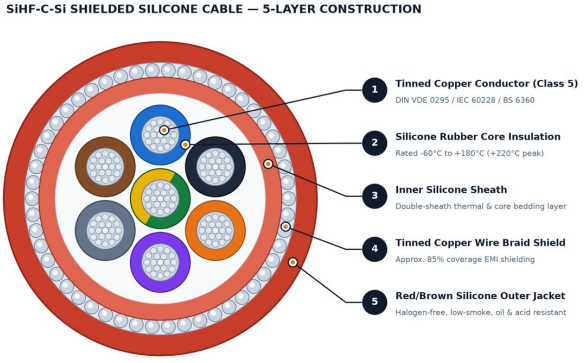
Engineering cross-section lookup for Vietnamese factories importing European, Japanese, Korean, and US machinery.

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

Vietnam Industrial Flagships: Corrosion-Resistant TPU & High-Temp SiHF-C-Si Silicone



Corrosion-Resistant Chemical/Sewage TPU Cable (300/500V & 0.6/1kV OEM)



SiHF-C-Si High-Temp Shielded Silicone Cable (-60°C to +180°C)

Both series support flexible small-batch OEM runs, custom jacket colors, metric/AWG sizing, and private-label reel marking for Vietnamese distributors.

Factory Proof, ASEAN Form E & Fast China–Vietnam Logistics

Direct factory pricing from Fujian, China — rapid 3–7 day sea/land delivery to Hai Phong, Da Nang, and Ho Chi Minh City.



Real Quanzhou Stranding Line



Export Wooden Drum Container Loading


CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

Official English CCC Cert (IEC 60227-3)

Quality Control, Form E Duty Savings & Vietnam Supply Advantages

• ASEAN Form E (0% Import Duty): Official China–ASEAN Form E Certificate of Origin provided with shipments to minimize Vietnam customs import tariff.

• Fast Sea & Cross-Border Land Transit: Located in Quanzhou, Fujian — direct feeder shipping to Hai Phong & Ho Chi Minh City (Cat Lai) or cross-border overland trucking via Pingxiang/Huu Nghi for urgent factory spares.

• Verified Factory Credentials & SGS Inspection: Est. 1996, 40,000+ m², 3 subsidiaries. Official English CCC Certificate No. 2022170105004698 (IEC 60227-3:1997) + third-party SGS / BV / Intertek inspection supported.

• OEM & Sample Friendly: Fast evaluation samples for machine builders, pump OEMs, and industrial integrators; custom meter marking & export wooden drums.

Request a Vietnam Factory Quote in 12–24 Hours (Nhận báo giá nhà máy)

Send your specification list or BOQ (Excel/PDF) in English or Vietnamese via Email or WhatsApp:
1) Cable model or TCVN / IEC / machine spec 2) Voltage, core count & cross-section (mm² / AWG)
3) Temperature, oil/chemical or flex requirement 4) Quantity (m) & port (FOB Xiamen / CIF Hai Phong / Cat Lai)
Direct Export Desk: info@kxy-group.com | WhatsApp: +86 136 1591 2663 | Web: https://kxy-group.com/products/cables-wires/special-wire-and-cable/