

TEGAN ENERGY

PRODUCT CATALOGUE

Powering lives & Connecting Futures with Electricals, Wire & Cables





About Tegan Energy

Manufacturer of insulated copper & aluminium wires under the Quivo® brand. Delhi-based. DGFT-registered exporter.

Tegan Energy LLP manufactures insulated copper and aluminium wires & cables in Bawana, Delhi — a key industrial cluster of India's NCR. We supply Quivo® cables to construction, infrastructure, industrial and OEM customers across India, and are now expanding internationally through our DGFT-registered export operations and our regional office in Muscat, Sultanate of Oman.

Every product carries the same commitment: certified raw materials, BIS-licensed manufacturing, NABL-accredited third-party testing, and full traceability from copper rod to finished drum. We do not cut corners. We do not over-promise. What we deliver is what is on the spec sheet.

LEADERSHIP



Mr. Niranjan Goel

PARTNER · MANUFACTURING & QC

“ 35+ years in the wire and cable industry across manufacturing, trading and quality control. Niranjan personally supervises production and signs off every batch before shipment — the reason every Tegan delivery matches the spec sheet, without exception.

◆ **QUALITY** Production Floor · Batch Sign-off



Mr. Shubham Goel

PARTNER · EXPORT & CLIENT RELATIONS

“ Leads Tegan's international business. The single point of contact for overseas buyers — handling enquiries, samples, technical clarifications, and the full export experience end-to-end. Modern, direct, responsive.

◆ **EXPORT** India · GCC · Direct Channel

IEC (DGFT) AAVFT5297K	GSTIN 07AAVFT5297K1Z4	BIS LICENCE CM/L-8100164905	TRADEMARK 6215902 / 03 / 04
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WHY TEGAN ENERGY

24 hour Sample dispatch	14 day Lead time	Direct Factory pricing	NABL Independent validation
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QUALITY CONTROL & TESTING

Every batch validated by NABL-accredited laboratories and tested in-house against **IS 694:2010**. Type-test certificates issued with every export consignment.

✓ Conductor Resistance	✓ Tensile Strength	✓ Dimensional	✓ High Voltage
✓ Insulation Resistance	✓ FR & FR-LSH	✓ Single-Cable Flammability	✓ Water Immersion

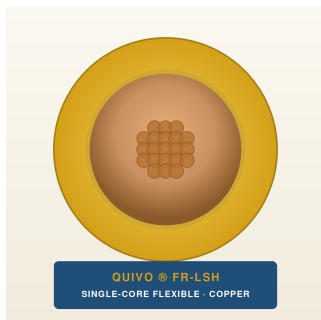
MADE IN INDIA · EXPORTING WORLDWIDE · **IEC AAVFT5297K** · DGFT REGISTERED





Single-Core Flexible Cables

Quivo® · FR / FR-LSH PVC · Copper · ≤ 1100 V · 0.5–25 sq.mm



Multi-strand flexible Class 5 electrolytic copper conductor (purity > 99.97%) under FR-LSH PVC insulation. Industry standard for residential, commercial, and panel wiring.

TECHNICAL SPECIFICATION

Reference: IS 694:2010 (equiv. IEC 60227)

Conductor: Class 5 flexible Cu, > 99.97% purity

Insulation: FR-LSH PVC

Voltage: Up to 1100 V

Sizes: 0.50 – 25 sq.mm

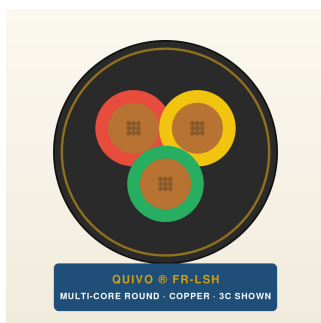
Compliance: RoHS, REACH

Area (sq.mm)	Strands / Dia (mm)	Insul. Thk (mm)	Max OD (mm)	Resist. @20°C (Ω/km)	Conduit (A)	Open Air (A)
0.50	7 / 0.30	0.60	2.60	39.0	4	4
0.75	10 / 0.30	0.60	2.80	26.0	7	7.5
1.00	14 / 0.30	0.60	3.00	18.1	11	12
1.50	22 / 0.30	0.70	3.40	12.1	13	16
2.50	36 / 0.30	0.80	4.10	7.41	18	22
4.00	56 / 0.30	0.80	4.80	4.95	24	29
6.00	84 / 0.30	0.80	5.30	3.30	31	37
10.00	140 / 0.30	1.00	7.00	1.91	39	46

APPLICATIONS Building wiring · panel and lighting circuits · control wiring · fan and appliance leads.

Multi-Core Round Flexible Cables

Quivo® · FR-LSH PVC · Copper · 2C / 3C / 4C · ≤ 1100 V · 0.75–10 sq.mm



Multi-core PVC insulated copper cables — cores individually insulated under PVC outer sheath. For appliance leads, control panels, motor leads, and distribution circuits.

TECHNICAL SPECIFICATION

Reference: IS 694:2010 (equiv. IEC 60227)

Conductor: Class 5 flexible Cu

Insulation: FR-LSH PVC inner; PVC sheath

Cores: 2C / 3C / 4C

Sizes: 0.75 – 10 sq.mm

Compliance: RoHS, REACH

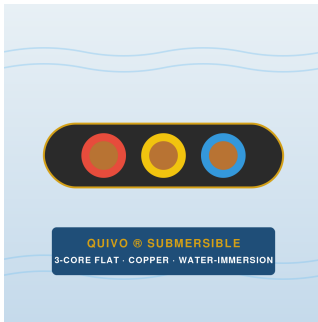
Area (sq.mm)	Insul. (mm)	Sheath 2/3/4C (mm)	OD 2/3/4C (mm)	Resist. @20°C (Ω/km)	Current (A)
0.75	0.60	0.90	6.80 / 7.20 / 7.80	26.0	7
1.00	0.60	1.20	7.50 / 8.00 / 8.70	18.1	11
1.50	0.70	1.20	8.60 / 8.90 / 10.00	12.1	14
2.50	0.80	1.20	10.00 / 10.60 / 11.60	7.41	19
4.00	0.80	1.20	11.00 / 11.50 / 13.00	4.95	26
6.00	0.80	1.20	12.50 / 13.30 / 14.80	3.30	30
10.00	1.00	1.30	15.60 / 16.60 / 18.60	1.91	39

APPLICATIONS Appliance connections · motor leads · control panels · distribution boards · lift cables.



Submersible Cables

Quivo® · 3-Core Flat PVC · Copper · ≤ 1100 V · 1.0–16 sq.mm



Three flat-laid PVC insulated copper cores under PVC sheath. Non-hygroscopic, abrasion-resistant. Built for continuous water-immersion in pumps and borewells.

TECHNICAL SPECIFICATION

Reference: IS 694:2010

Conductor: Flexible Cu, > 99.97% purity

Construction: 3 flat cores under PVC sheath

Sizes: 1.0 – 16 sq.mm

Voltage: Up to 1100 V

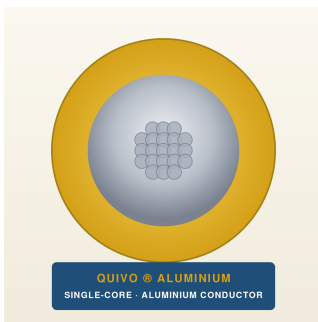
Features: Non-hygroscopic, abrasion resistant

Area (sq.mm)	Insul. (mm)	Sheath (mm)	Overall Size (mm)	Resist. @20°C (Ω/km)	Current (A)
1.00	0.60	0.90	9.3 × 4.3	18.1	11
1.50	0.70	0.90	12.0 × 4.6	12.1	14
2.50	0.80	1.00	12.2 × 5.4	7.41	19
4.00	0.80	1.00	14.6 × 6.2	4.95	26
6.00	0.80	1.10	16.6 × 7.0	3.30	30
10.00	1.00	1.40	20.7 × 8.1	1.91	39
16.00	1.00	1.40	24.2 × 9.8	1.21	55

APPLICATIONS Submersible borewell pumps · agricultural irrigation · drinking water systems · marine pumps.

Aluminium Single-Core Cables

Quivo® · PVC Insulated · Aluminium · ≤ 1100 V · 2.5–25 sq.mm



Stranded EC-grade aluminium conductor (≥ 61% IACS) under PVC insulation. Economical alternative to copper for service mains, sub-distribution, and bulk power runs.

TECHNICAL SPECIFICATION

Reference: IS 694:2010 + IS 8130 / IEC 60228

Conductor: Stranded EC aluminium, ≥ 61% IACS

Insulation: PVC, Type A per IS 5831

Sizes: 2.5, 4, 6, 10, 16, 25 sq.mm

Voltage: Up to 1100 V

Compliance: RoHS, REACH

Area (sq.mm)	Class	Insul. (mm)	OD (mm)	Resist. @20°C (Ω/km)	Current in Air (A)
2.50	Class 2	0.80	4.20	12.1	16
4.00	Class 2	0.80	4.90	7.41	22
6.00	Class 2	0.80	5.50	4.61	27
10.00	Class 2	1.00	7.20	3.08	36
16.00	Class 2	1.00	8.60	1.91	46
25.00	Class 2	1.20	10.70	1.20	58

APPLICATIONS Service mains · distribution circuits · building entries · agricultural feeders.



Aluminium Twin Flat Cables

Quivo® · PVC Insulated · Aluminium · 2-Core Flat · ≤ 1100 V · 2.5–25 sq.mm



Two flat-laid PVC insulated aluminium cores under PVC ST1 sheath. Standard for residential service connections, building entries, and short distribution feeders.

TECHNICAL SPECIFICATION

Reference: IS 694:2010 + IS 8130 / IEC 60228

Conductor: Stranded EC-grade aluminium

Insulation: PVC Type A; PVC ST1 sheath

Sizes: 2.5, 4, 6, 10, 16, 25 sq.mm

Voltage: Up to 1100 V

Configuration: 2-Core flat — Red & Black

Area (sq.mm)	Insul. (mm)	Sheath (mm)	Approx Size (mm)	Resist. @20°C (Ω/km)	Current (A)
2.50	0.80	1.00	13.0 × 6.5	12.1	16
4.00	0.80	1.00	14.5 × 7.2	7.41	22
6.00	0.80	1.10	16.0 × 8.0	4.61	27
10.00	1.00	1.40	19.5 × 9.5	3.08	36
16.00	1.00	1.40	22.5 × 11.0	1.91	46
25.00	1.20	1.40	26.0 × 13.0	1.20	58

APPLICATIONS Residential service connections · single-phase service mains · building entry cables.

Export Capabilities

DGFT-registered Indian exporter · IEC AAVFT5297K · Active

INCOTERMS EXW · FOB · CFR · CIF · CIP · DAP	PAYMENT 60% advance + 40% B/L · LC at sight
MOQ 1 × 20' container per consignment	LEAD TIME 14–21 days from PO confirmation
PACKING ISPM-15 wooden drums or palletised cartons	DOCUMENTATION Invoice · BL · COO · MTC · Test Report

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