

MEDIUM VOLTAGE CABLES

High-Performance XLPE Solutions for Power Distribution

At **Libra Contractors**, we manufacture robust and reliable medium voltage cables engineered to meet the rigorous demands of industrial, commercial, and utility applications. Utilizing advanced XLPE insulation technology, our MV cables ensure superior electrical properties, structural safety, and continuous operational efficiency.

Product Overview

Our Medium Voltage range (up to 33kV) is designed with high-purity stranded copper conductors, inner and outer semi-conductive layers, and robust XLPE insulation. These cables feature heavy-duty PVC or PE outer sheathing, providing excellent resistance to moisture, UV radiation, and mechanical stress.

Core Applications

- Primary Underground Power Distribution
- Industrial Plants and Commercial Networks
- Substation to Transformer Connections
- Renewable Energy Integrations (Solar/Wind)

Key Features & Benefits

- **Advanced Insulation:** Cross-linked polyethylene (XLPE) offers exceptional thermal stability and higher current ratings.
- **Robust Shielding:** Copper wire or tape screening ensures optimal fault current carrying capacity.
- **Long-Term Durability:** Resists chemical corrosion, soil chemicals, and physical abrasion.
- **Standard Compliance:** Manufactured strictly according to IEC 60502-2 and other international benchmarks.

Technical Specifications

(Single Core Cu/XLPE/CWS/PVC 12/20kV)

Nominal Cross Sectional Area (mm ²)	Approx. Overall Diameter (mm)	Max DC Resistance at 20°C (Ω/km)	Current Capacity in Ground (A)	Standard Weight (kg/km)
50	26.5	0.387	225	1150
70	28.0	0.268	275	1400
95	29.5	0.193	330	1750
120	31.0	0.153	375	2050
150	32.5	0.124	420	2400
185	34.5	0.0991	475	2800

* Specifications are illustrative and subject to standard manufacturing tolerances.

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Powering Your World

Karachi, Pakistan | Industrial B2B Cable Solutions