

■ WIRE & CABLE FOR WIND INFRASTRUCTURE

Power from the turbines to the grid.

Cable solutions for wind energy.

Long-term performance, site efficiency and coordinated supply.



■ 01

Collection networks

MV cable for the circuits that connect turbine transformers and the project substation.

■ 02

Site efficiency

Reel plans and destination labels that help reduce sorting, handling and staging time.

■ 03

Supply coordination

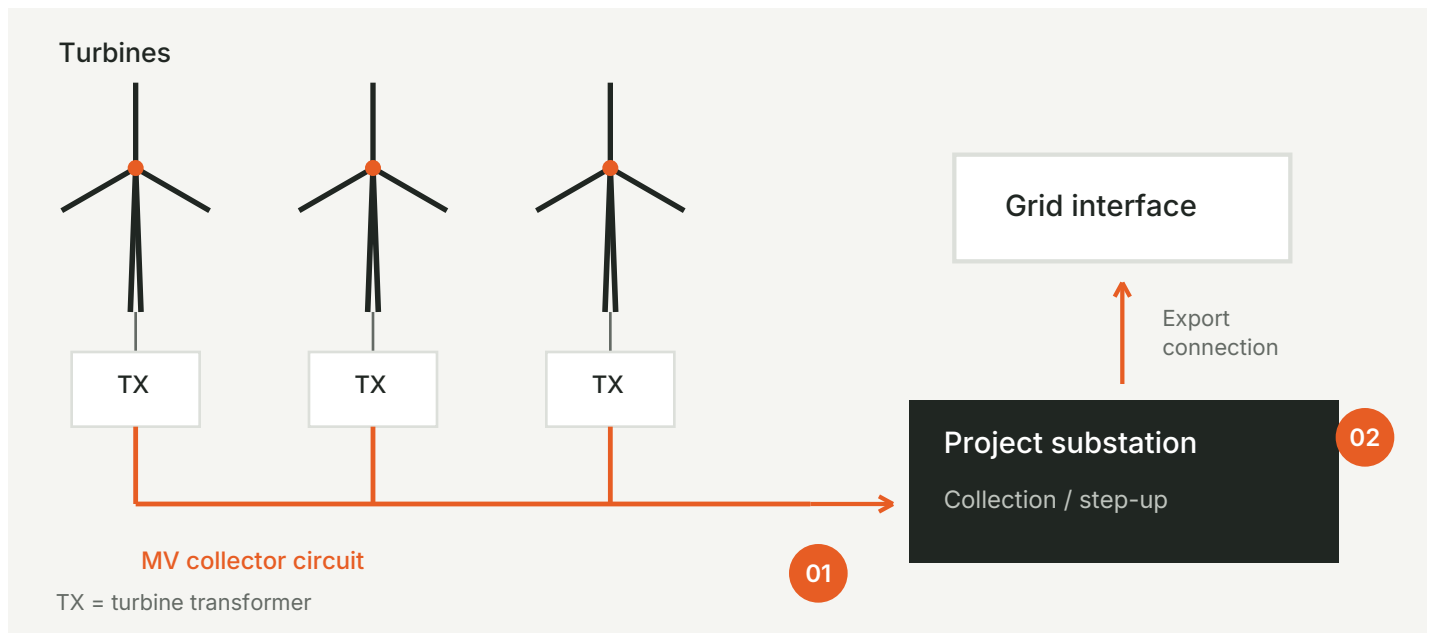
Cable releases aligned with collector routes, site access and construction schedules.

Where Energy Meets ExcellenceTM

■ ENGINEERED FOR THE COLLECTION NETWORK

Connect the wind farm.

We support the electrical network beyond the turbine transformer with MV TR-XLPE cable, grounding conductors and selected auxiliary cable families. Each circuit starts with the project specification.



01	Collector circuits	MV TR-XLPE Turbine-transformer connections and feeders to the project substation.
02	Substation interfaces	MV TR-XLPE Match cable construction to switchgear, joints, terminations and the system voltage.
03	Grounding & bonding	Bare copper Conductors for turbine, collector and substation grounding networks, as engineered.
04	Auxiliary systems	Armoured / building / control Selected fixed power and control circuits for site facilities and equipment.

Conceptual power path; turbine transformer location and collector topology vary. Turbine-internal moving cables, fibre communications, submarine systems and high-voltage export require separate specifications.

Explore our Wind Energy applications +

■ MV TR-XLPE

Built around the collector circuit.

Single-conductor, shielded concentric-neutral cable for wind-generation collection networks and substation feeders. Available constructions combine copper or aluminum conductors with tree-retardant XLPE insulation.



5-46 kV

Copper or aluminum
TR-XLPE insulation

Representative MV construction.

Conductor range

2 AWG-1500 kcmil

Published copper and aluminum family ranges.

Insulation levels

100% / 133% / 173%

Selected for the system and its grounding arrangement.

Operating rating

90°C

For the listed cable constructions.

Outer jacket

LLDPE

-40°C low-temperature marking; sunlight resistant.

Construction details that matter

Conductor and insulation shields form part of the cable's electrical stress-control system. **Concentric-neutral wires** are specified to suit the grounding and fault-duty requirements. **The outer jacket** is selected for the installation environment and required markings.

Coming soon: MV105. CSA certification pending. The specifications and certification above describe our current 90°C MV TR-XLPE offering.

CSA C68.5 / certificate 80222535.

MV specifications and certification +

■ SELECTION FOR LONG-TERM PERFORMANCE

Match the cable to the route.

A collector network combines long cable runs, changing terrain, equipment interfaces and construction constraints. We help connect the approved cable requirements with a practical supply plan.

Selection factor	How it supports the collector circuit
System & insulation	Voltage classes and insulation levels support the collector system's electrical requirements, including its grounding arrangement and protection clearing time.
Conductor & loading	Copper and aluminum options support circuit-specific sizing, balancing current-carrying capacity, voltage drop, operating losses and total installed cost.
Thermal environment	Burial depth, soil thermal resistivity, backfill, duct arrangement, circuit spacing and ambient conditions. These inputs affect the circuit's current-carrying capacity.
Neutral & bonding	Concentric-neutral size, fault current and duration, bonding arrangement and ground connections. The neutral construction follows the engineered system requirements.
Jacket & moisture	Our LLDPE jacket provides an outer protective layer for the MV cable. Sunlight resistance and low-temperature markings support selection for the specified environment.
Accessories & pulling	Construction-specific dimensions and handling limits support compatible joint and termination selection, reel planning and preparation for the cable pull.

Protection and preparation for the job site

Cable-end protection

Protection at the cable ends helps limit moisture and contamination during transport and storage.

Reel preparation

Project-specific reel lengths and configurations support efficient handling and planned cable pulls.

Clear identification

Cable markings, reel IDs and destination labels connect each reel to the installation plan.

Sizing, installation and commissioning follow the project design and selected product documentation.

■ BEYOND THE COLLECTOR CIRCUIT

Complete the site specification.

Grounding, fixed auxiliary power and control circuits connect the wider wind installation. We offer supporting cable families for the voltage, route and equipment requirements identified by the project team.

Bare copper

Grounding and bonding



Solid or stranded copper for the engineered grounding network at turbine foundations, collector routes and the substation. Conductor size and connections follow the grounding design.

ASTM B3 / B8, as applicable

ACWU90 / TECK90

Fixed armoured power



ACWU90



TECK90

ACWU90: 600 / 1000 / 2000 V.

TECK90: 600 / 1000 V.

Copper or aluminum with XLPE insulation, interlocked armour and an outer jacket. TECK90 also has an inner jacket.

CSA C22.2 No. 51 / No. 131

RW90 / RWU90

Building and auxiliary power



RW90: 600 / 1000 / 2000 V.

RWU90: 1000 V per certificate.

XLPE-insulated copper or aluminum for specified fixed circuits serving site buildings, auxiliary equipment and distribution systems.

CSA C22.2 No. 38

TC / CIC-TC

Auxiliary control circuits



600 V copper tray and control cable with PVC / XLPE insulation and an overall PVC jacket.

Published range: 14-10 AWG. For selected fixed control-panel and auxiliary equipment circuits.

Referenced: CSA No. 239 / UL 1277

Images show representative constructions; approvals and ratings are product-specific. Fixed-installation cables do not establish suitability for turbine yaw, pitch or torsion duty. TC / CIC-TC is not a substitute for fibre or dedicated data cable.

Explore cable families and technical resources +

■ LESS HANDLING. BETTER COORDINATION.

Every reel. A clear destination.

We work with you to align reel preparation, identification and shipping with the installation plan. Clear destinations help crews manage long collector routes and multiple work fronts.



■ 01

Cable schedule

Approved constructions, route lengths and equipment destinations.

■ 02

Reel mapping

Pull sections, reel sequence, labels and shipment groups.

■ 03

Staged release

Delivery windows aligned with trench readiness and site access.

■ 04

Site delivery

Reels grouped by collector circuit, turbine area or work front.

■ DEPLOYMENT LABEL

COLLECTOR CIRCUIT C03

Destination	Turbine WTG-07
Route	Trench MV-03-07
Reel sequence	07 of 18
Cable / length	Schedule reference
Traceability	Reel ID + batch

Prepared for installation

Preparation options include multi-chamber reel paralleling, triplex or twisted configurations and extruded longitudinal striping.

Coordinated site deliveries

Reel sizes, unloading capacity, access roads, laydown areas and receiving contacts inform shipment planning.

Supply aligned with your schedule

Staged supply and coordinated drop-shipping help reduce waiting material, repeat moves and congestion at active work fronts.

Preparation options, reel configurations, project labels and delivery arrangements are agreed for each project and subject to product availability. Deployment labels complement standard compliance and traceability markings.

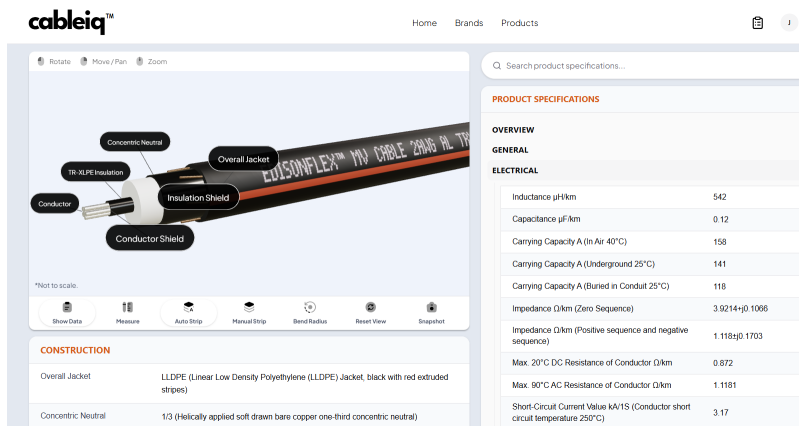
Project deployment +

Supply coordination +

FROM SPECIFICATION THROUGH HANDOVER

Make the detail work for you.

Digital specifications and product-specific records help engineering, procurement and site teams work from a consistent description of the cable being supplied.



CableIQ™

Explore selected MV constructions, inspect cable layers and review available technical information and procurement data.

Explore MV specifications +

Features vary by product. Use with the applicable product documentation.

01 Technical review

Our product specifications and applicable certification records give engineering teams the construction details and ratings needed to review the proposed cable.

02 Manufacturing & supply

Dimensional and electrical checks support product conformity. Batch records, cable markings and reel identification connect the approved requirements to the supplied material.

03 Receiving & handover

Reel identification, project labels and supplied documentation help site teams verify deliveries against the cable schedule and support an organized project handover.

Documented quality. Traceable supply. Our technical records and reel identification connect the cable specified to the cable delivered.

■ RESPONSIBILITY IN PRACTICE

Support beyond the cable.

We connect product selection with responsible raw material sourcing, environmental documentation and practical supply coordination, working alongside our distribution partners throughout the project.

■ ACROSS OUR MANUFACTURING NETWORK

Environmental management

ISO 14001 frameworks guide environmental practices, including energy use, waste reduction and regulatory compliance.

Responsible sourcing

We embed responsible raw material sourcing, ethical labour practices and rigorous production controls into our cable manufacturing.

Project reporting

We align available environmental documentation with the project's procurement and reporting requirements.

Bring your project into focus.

Share the information below so we can review the cable scope and coordinate the next steps with your authorized distributor.

Electrical scope

Single-line diagram, cable schedule, ratings, conductor sizes and project specifications.

Installation plan

Collector routes, pull sections, reel constraints, site access and intended work sequence.

Supply requirements

Quantities, target dates, delivery locations, documentation needs and distributor contact.

Move your project forward.

sales@edisonflex.com

1-800-585-3029

Available exclusively through authorized distributors.

