

■ WIRE & CABLE FOR BATTERY STORAGE INFRASTRUCTURE

Powering energy storage at scale.

Wire and cable for battery energy storage infrastructure.
DC connections. AC distribution. Grid interconnection.



■ 01

Utility-scale supply

Cable supplied in 2026 for Canada's largest contracted battery storage project.

■ 02

System connections

Power, control and grounding cables across the storage facility.

■ 03

Project execution

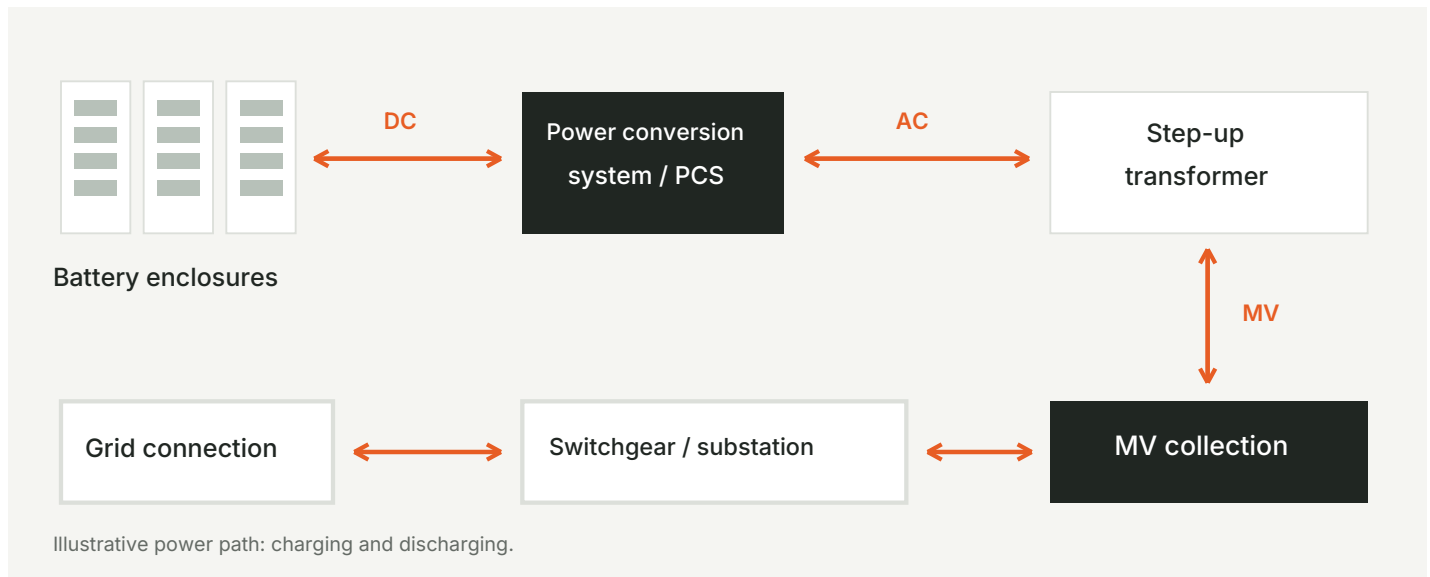
We prepare, identify and deploy cable to match the construction sequence.

Where Energy Meets ExcellenceTM

■ BATTERY ENERGY STORAGE SYSTEMS / BESS

Cable across the power path.

A storage facility brings DC power, AC distribution, grid interconnection and auxiliary systems together. EdisonFlex cable families serve the distinct circuits that connect this infrastructure.

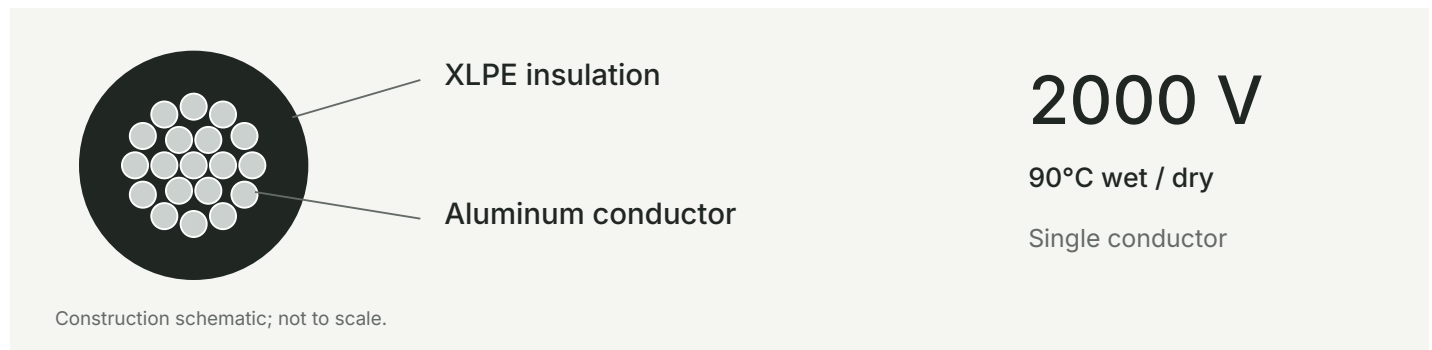


DC power	RW90 AL 2kV / RPVU90 2kV Field power connections between storage equipment.	03-04
AC feeders	RW90 / ACWU90 / TECK90 PCS, transformer and site distribution connections.	03 / 05
Grid interconnection	MV TR-XLPE Medium-voltage collection and substation feeders.	06
Control & auxiliaries	TC / CIC-TC + power cable Control panels, interlocks and auxiliary equipment.	07
Grounding & bonding	Bare copper Enclosures, PCS, transformers and site ground grid.	07

■ 2000 V ALUMINUM POWER CONDUCTORS

RW90 AL 2kV

RW90 AL 2kV combines aluminum conductors with XLPE insulation for battery energy storage power connections. We align cable construction, reel lengths and delivery with the project's installation requirements.



Conductor offering

Stranded aluminum: 6 AWG-2000 kcmil

Insulation

Cross-linked polyethylene (XLPE)

Referenced standard

CSA C22.2 No. 38

Optional markings

FT2 / FT1 / VW-1, -40°C and SR

■ SUPPLIED IN 2026

**RW90 AL 2kV supplied for Canada's largest
contracted battery storage project.**

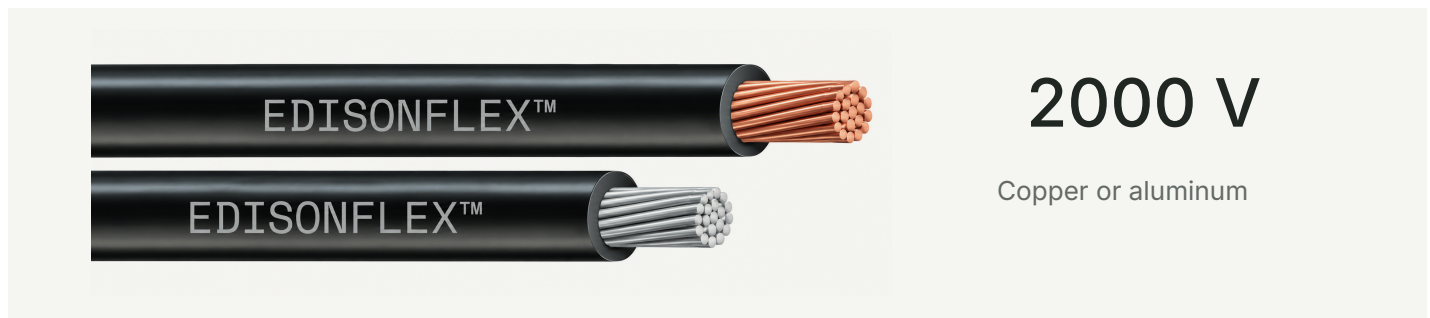
Aluminum conductor options support project-scale cable runs, with sizing, stranding and terminations aligned to the circuit. Reel lengths and identification are coordinated with the installation plan.

[RW90 technical specifications](#) +

■ 2000 V PHOTOVOLTAIC WIRE

RPVU90 for DC connections.

RPVU90 supports photovoltaic circuits and approved storage DC field connections, with copper and aluminum conductor options for outdoor and underground routes.



Copper catalog range	14 AWG-1000 kcmil
Aluminum catalog range	6 AWG-1000 kcmil
Insulation / temperature	XLPE / 90°C wet and dry
Outdoor attributes	Sunlight resistance; direct-burial options
Referenced standard	CSA C22.2 No. 271

Storage DC connections

Construction data supports cable routing, equipment entry and termination selection. Conductor and insulation options connect the cable package with the project's electrical requirements.

Solar-plus-storage sites

RPVU90 supports the solar array's DC circuits; RW90, armoured cable and MV cable serve their specified roles elsewhere in the combined facility.

DC cable for solar-plus-storage projects.

Copper and aluminum constructions support the DC network across renewable energy developments.

■ AC FEEDERS & AUXILIARY DISTRIBUTION

Armoured power connections.

ACWU90 and TECK90 combine insulated power conductors with interlocked armour and an outer jacket for specified site feeders and auxiliary power connections.

ACWU90



600 / 1000 / 2000 V

TECK90



600 / 1000 V

CONSTRUCTION	ACWU90	TECK90
Conductor	Copper or aluminum	Copper or aluminum
Insulation	XLPE	XLPE
Inner jacket	No separate inner jacket	PVC
Armour	Interlocked metal	Interlocked metal
Outer jacket	PVC	PVC
Temperature	90°C wet / dry	90°C wet / dry
Referenced standard	CSA C22.2 No. 51	CSA C22.2 No. 131

Power & construction

Single- and multi-conductor designs for PCS outputs, transformer connections and auxiliary power. Single-conductor cables use aluminum armour.

Conductor sizes

Copper: 14 AWG-2000 kcmil.
 Aluminum: 12 AWG-2000 kcmil.
 Single-conductor minimums:
 6 AWG copper / 4 AWG aluminum.

■ MV TR-XLPE

Connect storage to the grid.

MV TR-XLPE cable connects battery storage transformers to collection networks and substations, with copper and aluminum conductor options.



Copper / aluminum range	2 AWG-1500 kcmil
Insulation	Tree-retardant XLPE with semiconducting shields
Insulation levels	100% / 133% / 173%
Metallic layer	Copper concentric neutral; full or reduced designs
Referenced standard	CSA C68.5

Neutral configurations

Full and reduced concentric neutrals, including 1/3 and 1/6 designs, support the required system grounding and fault duty. Construction data identifies neutral wire count and size.

Cable & accessories

Conductor, insulation and overall dimensions support matching splices, elbows and terminations. Reel lengths and cable-end protection support the planned installation.

MV105

Coming soon. CSA certification pending.

■ SUPPORTING THE COMPLETE INSTALLATION

Controls. Grounding. Connection.

Control circuits and grounding conductors serve distinct roles across battery enclosures, power conversion equipment and the wider site infrastructure.



TC / CIC-TC

600 V copper | 14-10 AWG

PVC / XLPE insulation; PVC jacket

Hardwired control circuits

Copper tray and control cable for equipment status, permissive signals, interlocks and control panels. Conductor identification and sunlight-resistant jackets support field installations.

Control-system communications

BMS, EMS and SCADA data links use fibre, Ethernet or protocol-specific cable alongside the facility's hardwired control circuits.



Bare copper

Solid or stranded

Conductor size and temper as specified

Ground grids & equipment bonds

Bare copper connects specified ground grids and bonds across the storage facility. Size, stranding and connection details follow the engineered grounding design.

Material & construction

Soft, medium-hard and hard-drawn copper options reference ASTM B3, B2 and B1 respectively. Concentric-lay-stranded constructions reference ASTM B8.

■ PREPARATION. DEPLOYMENT. EXECUTION.

Every reel. A clear destination.

We align cable requirements, prepare reels, apply project identification and coordinate staged deliveries around the storage facility's installation sequence.



■ 01

Cable schedule

We align constructions, quantities and pull lengths.

■ 02

Reel preparation

We map, protect and label reels for installation.

■ 03

Site deployment

We group and release shipments in the planned sequence.

■ 04

Traceability

We connect reel and batch records to the supplied cable.

Prepared for installation

We coordinate reel lengths, paralleling, triplex or twisted configurations and extruded longitudinal striping to the agreed cable specification and installation plan.

Documentation & CableIQTM

Construction data, applicable certification records and testing documentation support review. Selected RPVU90 and MV constructions have digital specifications in CableIQ.

■ RESPONSIBLE MANUFACTURING

We embed responsible raw material sourcing, ethical labour practices and rigorous production controls into our cable manufacturing. Environmental documentation supports project procurement requirements.

Share your cable schedule, site layout and delivery requirements.

Move your storage project forward.

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1-800-585-3029



Product configurations, ratings and availability are confirmed in the applicable specification.
Project deployment

Resources

CableIQTM

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