


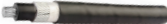







**ELSEWEDY
ELECTRIC**



RENEWABLE ENERGY PRODUCTS

Powering a Sustainable Tomorrow

APPLICATION & PRODUCTS CROSS-REFERENCE

VOLTAGE LEVEL	CABLE	APPLICATION	SIZE RANGE	SPECS
LOW VOLTAGE		Solar-PV Cable * For Solar Solutions	1.5 mm ² up to 240 mm ²	Tinned CU, Flexible Class 5, Cross Linked Polyolefin Insulated and sheathed. Voltage Rating: 1.5 KV DC & 1.0 KV AC Up to 1.8 KV DC & 1.2 KV AC.
		Twin Solar-PV Cable * For Solar Solutions	2x1.5 mm ² up to 2x16 mm ²	Features: Flame Retardant, Low Smoke & Reduced Corrosive Gas Emission, Weathering / UV Resistance, Ozone Resistance, Halogen Free, High Impact Resistance, High dynamic Penetration Resistance, Extreme Temperatures Resistance up to 120° C tested up to 20,000 hours, High Humidity Resistance, Chemical Resistant & Environmentally Friendly. International Standards compliance & Certifications to: BS EN 50618, IEC 62930, 2Pfg1169/08.2007, EN 50267-2-2, EN 60216, IEC 60332-1-2 & EN 50267-1-2 & CPR Rated: Dca
		DC Feeders for the Inverter * For Solar Solutions	Up to 1000 mm ²	AL, Stranded, XLPE, Armoured, PVC.
MEDIUM VOLTAGE		Windfarm Interarray Cable	Conductor size: Up to 1000 mm ² Voltage level: Up to 33 kV	AL/Cu stranded conductor, XLPE insulated, copper wire screen, and PE sheath or flame retardant PVC Sheath. Optional features: UV Resistance, Anti-rodent and Anti-termite, and Longitudinal water protection.
		Windfarm Interarray Cable	Conductor size: Up to 1000 mm ² Voltage level: Up to 33 kV	AL/Cu stranded conductor, XLPE insulated, Laminated aluminum tape screen and PE Sheath, longitudinal and radial water protection.
BARE CONDUCTORS		Earthing Cable	Up to 630 mm ²	Bare soft drawn stranded copper conductor
HIGH & EXTRA-HIGH VOLTAGE		Transmission Cable	Up to 2,500 mm ² Up to 500kV	CU, XLPE, HDPE sheath, Copper wire screen
OHTL		Conventional Conductors	Up to 500 KV	ACSR, AAAC, AAC, ACAR
		HTLS	Up to 500 KV	ACCC, ACSS, INVAR Features: Carry more current than conventional conductors without excessive SAG Lower resistance resulting in less power loss during transmission Operate at higher temperatures improving the overall efficiency of Power Transmission Systems Contribute to sustainable energy by reducing carbon emissions Electrify remote areas, support renewable energy integration, and build more resilient and sustainable electrical grids.
		OPGW	Up to 500 KV Up to 96 Fibers	Earthing & Communication
TRANSFORMER		Power Transformer - Oil Immersed	10 MVA up to 750 MVA 3.3 kV up to 220 kV	Low losses design: High capitalized cost for No Load and Load Loss Low partial discharge: < 75 pC at 1.50 Um Low noise transformer: 45 dB [A] sound pressure level, 62 dB [A] sound power level, Load noise (noise due to current) shall be guaranteed Direct hot spot measurement: Fiber optic probes on windings, top oil, and core Thermal design (cooling): Emergency loading test up to 150% Insulation paper: Thermally upgraded paper, Degree of Polymerization > 1000

APPLICATION & PRODUCTS CROSS-REFERENCE

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TELECOM INFRASTRUCTURE		Outdoor Optical Fiber Cable	Up to 288 Fiber	Direct Buried Cables Duct Cables Air Blown Fiber (ABF) Cables Pre-Loaded Duct Cables All Dielectric Self Supporting (ADSS) Cables Figure 8 Cable
		Indoor Optical Fiber Cable	Up to 288 Fiber	FTTH Drop Cable Breakout Tight Buffer Cable Premises Distribution cable
		Indoor - Outdoor optical Fiber Cables	Up to 288 Fiber	Riser Cable Distribution Fiber cable
		Hybrid Cables	Up to 288 Fiber	Fiber & Power Hybrid Cable All in one – Fiber & LAN & Coaxial
		Fiber Accessories	Available in both single and multimode optical fiber Various Adapter Types: SC, LC, MTP/MPO High-density Patch Pannels up to 288 fibers IP 68 Fiber Closures	Patch Cords Adaptors & Pigtails Patch Pannels Fiber Optic Splitter Fiber Termination Box &Outlet Fiber Optic Closures Customized Solutions
CABLE ACCESSORIES		Unsymmetric Elbow ETC	Up to 25 kV, 630 A for aluminum and copper conductors.	The ETC elbow is designed according to latest technology which proves that we are capable of manufacturing the best design under the control of high quality.
		Unsymmetric Elbow ET	Up to 36 kV, 1250 A for aluminum and copper conductors.	The ET elbow is designed to be suitable for compact panels, such as smart RMU which need more advanced accessories.
		Premolded Joint	Up to 36 kV for aluminum and copper cables cross section up to 1200mm ² .	The power cable joints are highly reliable, factory-molded and tested. When assembled, they provide permanent, fully shielded, fully submersible cable joints for direct burial or vault applications of solid dielectric single-core and three-core cables.
		Single Piece Termination	Up to 25 kV for cables cross section up to 630 mm ² .	The single piece termination (ST) with Geometrical stress control is a compact. Design in restricted spaces and permits application where free hanging is desired. The ST termination can be used up to 25 kV for cables cross section up to 630 mm ² .



WHY CHOOSE ELSEWEDY ELECTRIC FOR YOUR RENEWABLE ENERGY NEEDS?

Global Leader: We are a global leader in the renewable energy sector, with a proven track record of delivering successful projects around the world.

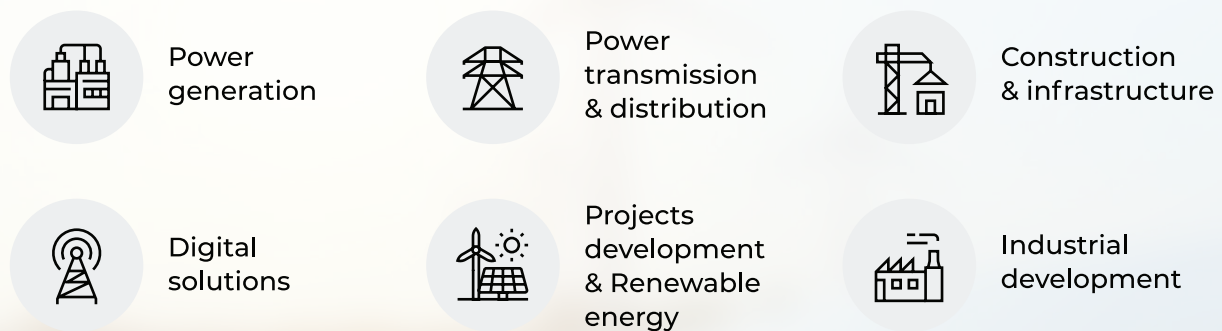
Strategically located manufacturing facilities around the world: We ensure reliable access to our products regardless of geographical boundaries.

Wide range of products and services: We offer a wide range of high-quality renewable energy products to meet the needs of our customers.

Experienced Team: Our team of experienced engineers and technicians is committed to providing our customers with the best possible products and services.

Elsewedy Electric is a global infrastructure solutions provider with over 18,000 employees and revenues of over USD 4.8 billion in 2022. We operate in five key business sectors and have a strong presence in 19 countries with 31 production facilities. We export to over 110 countries worldwide. We offer an all-in-one integrated Engineering, Procurement & Construction (EPC) service, enabling us to deliver the most complex turnkey projects. We are committed to facilitating the global transition toward a sustainable energy future and to driving decarbonization, digitalization, and sustainable transition in Egypt and beyond. Our growth has been driven by hiring talents and empowering businesses and communities where we operate. We enable customers to digitize and meet the challenges of an ever-changing world. We are committed to doing our best to serve our customers while caring for the environment.

END-TO-END SOLUTIONS



WE HAVE A DUTY TO MAKE OUR PRODUCTS AND SERVICES AS ENERGY EFFICIENT AS POSSIBLE AND TO REDUCE EMISSIONS AND WASTE.

As befits a company with an eighty-year history, Elsewedy Electric is committed to the long-term. We look at the impact of everything we do and make sure that all benefits are shared and any negative effects minimized. All subsidiaries across the group implement our policy of improving efficiency and reducing our carbon footprint. Every one of our 18,000 employees adopts an attitude of thrift and respect towards the planet and its resources.



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