



# Renewables Guide

8th Edition





# Welcome!



I am pleased to present the Wesco Renewables Guide, 8th edition — a valuable industry resource for our customers and strategic supplier partners. In addition to showcasing a wide array of industry-leading renewable products and services from one of the largest and most respected providers of renewable energy innovations in the world, our comprehensive Renewables Guide was created to be the information source for all your solar energy and renewable needs. The catalog includes product and service solutions for photovoltaic modules, inverters, racking, electric vehicle chargers, battery storage and balance of system. These

products, supported by our dedicated team of technical resources and delivered via our supply chain and value-added services, make Wesco your premier partner and source for renewable solutions.

In 2022, Wesco commemorated its 100th year anniversary. Innovation has been in our DNA from the beginning. We continue to invest in new and emerging technologies and expand our capabilities to meet the growing demands in energy efficiency and management, renewable energy and sustainable maintenance, repair and operations for our customers. Our mission remains to build, connect, power and protect the world.

We appreciate your interest in purchasing renewable energy solutions, and we hope that when you think about solar and renewable energy sources, you'll think Wesco.

## **Nelson J. Squires III**

*Executive Vice President and General Manager,  
Electrical and Electronic Solutions*

## **About This Catalog**

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### Cables and Wires for Renewable Projects by APAR Industries Limited



DC Feeder Aluminum Cable



Copper 35KV MV Cable



DC Feeder Copper Cable



Tower Cable

Product Name	Description	Applications	Standards	UL CoC	Voltage Grade
<b>DC Feeder Aluminum Cables</b>	Single-conductor photovoltaic (Type PV) power cable 2000V aluminum conductor XLPE insulation. Sizes 6AWG through 1000kcmil. Heat- and moisture-resistant RoHS. 90° C.	<ul style="list-style-type: none"> <li>For use in solar power applications</li> <li>Rated 90° C for exposed or concealed wiring in wet or dry locations</li> <li>Rated for direct burial conduit</li> </ul>	<ul style="list-style-type: none"> <li>UL 854 for USE-2</li> <li>UL 44 for Type RHW-2</li> <li>UL 4703 for Type PV</li> </ul>	UL 4703	2000 V
<b>DC Feeder Copper Cables</b>	Single-conductor photovoltaic (Type PV) power cable 2000V copper conductor XLPE insulation. Sizes 14AWG through 1000kcmil. Heat- and moisture-resistant RoHS. 90° C.	<ul style="list-style-type: none"> <li>For use in solar power applications</li> <li>Rated 90° C for exposed or concealed wiring in wet or dry locations</li> <li>Rated for direct burial conduit</li> </ul>	<ul style="list-style-type: none"> <li>UL 854 for USE-2</li> <li>UL 44 for Type RHW-2</li> <li>UL 4703 for Type PV</li> </ul>	UL 4703	2000 V
<b>EPR   CPE   DLO Cables</b>	2kV heavy-duty flexible power cable (HDFPC) DLO, rated 90° C dry or wet. 2kV type RHH/RHW 2 flexible power cable rated 90° C dry or wet.	<ul style="list-style-type: none"> <li>Use for drilling rigs, railroad and transit car wiring, mining and other industrial equipment, and as flexible motor leads and wind turbine applications</li> <li>The cable is suited for use in wet and dry areas, conduits, ducts, troughs &amp; trays</li> </ul>	<ul style="list-style-type: none"> <li>UL 44 for Type RHH/RHW-2</li> <li>ASTM B172</li> </ul>	UL 44	2000 V
<b>MV Cable   XLPE Cables</b>	Primary grounded distribution cables. Block strand aluminum conductors TRXLPE insulation, copper wire, concentric neutral, longitudinal water and blocked XLPE outer protecting jacket.	<ul style="list-style-type: none"> <li>For use on single phase and 3 phase primary underground distribution system operating at 35KV phase to phase</li> <li>For use at conductor normal working temperature of 90° C</li> <li>Suitable for either direct burial or installations in ducts in dry and wet location</li> </ul>	<ul style="list-style-type: none"> <li>ICEA S-94-649</li> <li>AEIC CS8</li> <li>UL-1072</li> </ul>	1072	35000 V
<b>MV Cable   EPR Cables</b>	Aluminum conductor. EPR insulation, bare copper concentric neutrals and low-density polyethylene jacket.	<ul style="list-style-type: none"> <li>For use on single phase and 3 phase primary underground distribution system operating at 35KV phase to phase</li> <li>Suitable for use in wet or dry locations, direct burial, underground duct and where exposed to sunlight</li> </ul>	<ul style="list-style-type: none"> <li>ICEA S-94-649</li> <li>AEIC CS8</li> <li>UL-1072</li> </ul>	1072	35000 V
<b>Battery Cables</b>	Control cable. 600V copper conductors, flame retardant cross-linked polyethylene (FRXLPE) insulation and shielded chlorinated polyethylene chloride (CPE) jacket.	<ul style="list-style-type: none"> <li>600V control cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, aerial supported by a messenger and where superior electrical properties are desired</li> <li>These cables are capable of operating continuously at the conductor temperature not in excess of 90° C for normal operation in wet and dry locations</li> </ul>	<ul style="list-style-type: none"> <li>UL-1072</li> <li>UL-44</li> </ul>	UL 1277	600 V
<b>Tower Cables</b>	Aluminum conductor. AA 8000 Series, compacted stranded, 2000V, EPR insulated and CPE sheathed cables of size 1/0AWG through 1000kcmil.	<ul style="list-style-type: none"> <li>Used in wind towers</li> </ul>	<ul style="list-style-type: none"> <li>UL-44</li> </ul>	UL 44	2000 V
<b>Nacelle Cables</b>	1.8/3.0 KV — copper class 5, special heat resistant insulation, shielded with annealed tinned copper, HFFR sheath cable.	<ul style="list-style-type: none"> <li>Nacelle cables are used within wind turbine</li> </ul>	<ul style="list-style-type: none"> <li>UL-44</li> </ul>	UL 44	2000 V

For more information, contact your local Wesco representative.



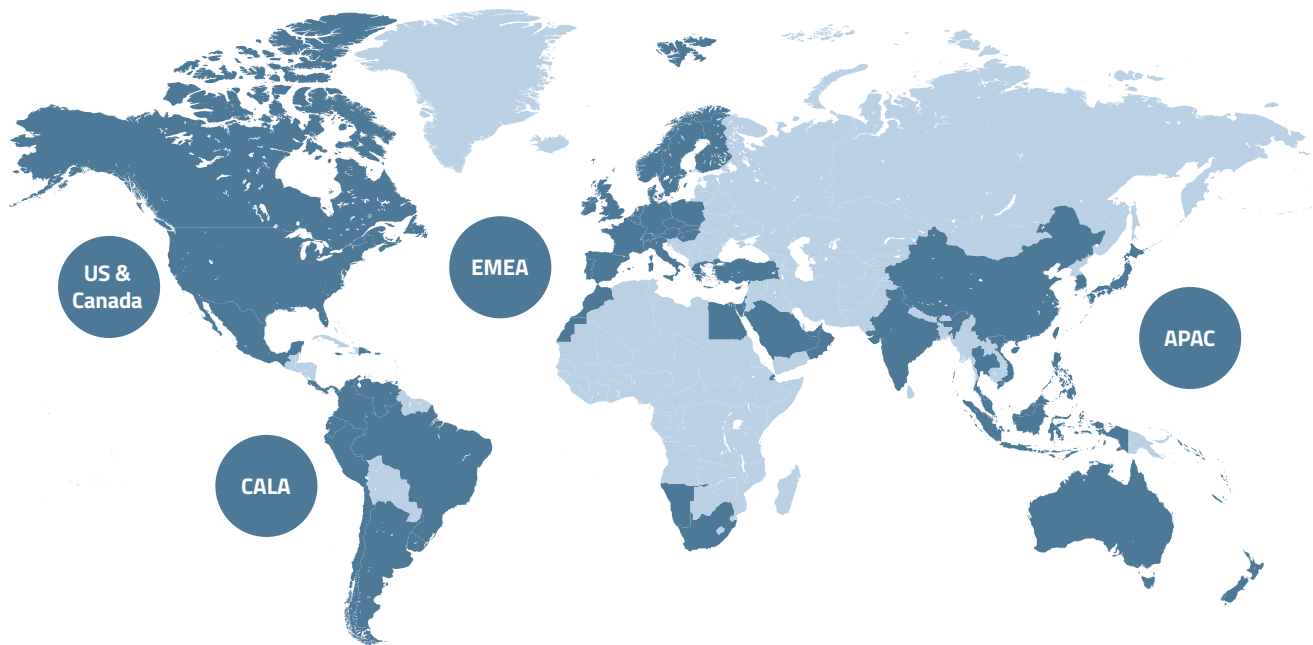
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For Product Information, Visit **wesco.com**

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