



CHOOSE YOUR ONLINE PACKAGE

TDW Online Buyers' Guide is intuitive, feature-rich and interactive. An exceptional reference tool providing information on equipment, products and services necessary to the t&d electric utility industry. Searchable by company or category, this valuable directory provides essential information on the where and what-to-buy. Unlimited visibility ... Year-Round!

BASIC LISTING

Complimentary company name, city and state only will appear in the same categories as the print Buyers' Guide.

GOLD MEMBERSHIP

- Full address, phone numbers, email address listed in the same categories as the print Buyers' Guide
- Active web address link
- Color logo on company page
- 150-word company description

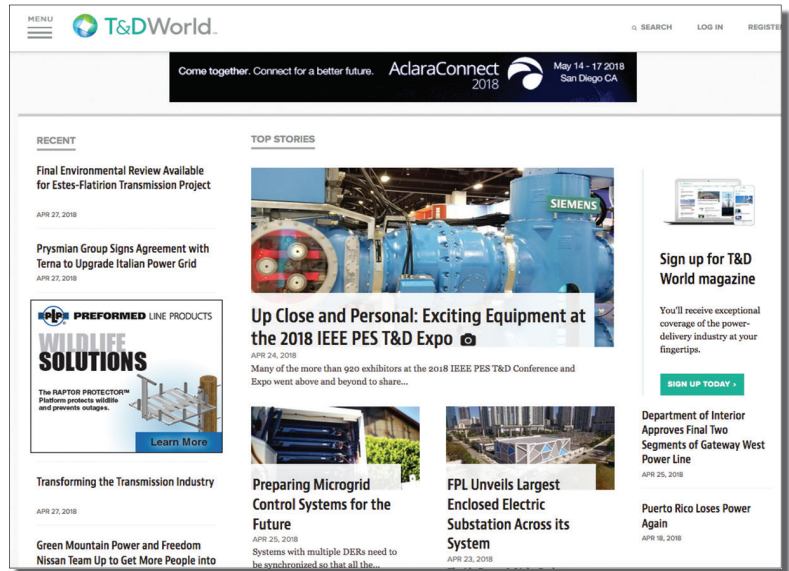
\$495 per year

PLATINUM MEMBERSHIP

- Full address, phone numbers, email address listed in the same categories as the print Buyers' Guide
- Active web address link
- Color logo on company page
- 300-word company description
- Request a quote functionality
- Full Media package - Up to 15 detailed product pages: Product photos, videos, audio clips, PDFs, Product Spotlights

\$955 per year

Add a targeted banner and boom box ad to your Gold or Platinum Membership company page for just \$750 a year!



A LA CARTE ITEMS

T&DW PRODUCT INSIDER ENEWSLETTER

6 monthly (one per month) Product Spotlight or Product Video Spotlight featured in the monthly eNewsletter blast. If purchased individually, each Product or Video Spotlight would cost \$1250 per eblast/month.

\$4,992 per year - SAVE OVER 2K WITH THIS PACKAGE!

FEATURED PRODUCT

Logo and company name appears on the category search results page and the online Buyers Guide home page.

\$2,000 per year

CATEGORY SPONSORSHIP

Targeted Banner and boom box ad in sponsored category (must also purchase Gold membership)

\$1,750 per year

For more information, contact:

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LIST YOUR TRADE NAMES

Tradenames: List the registered tradenames you manufacture for inclusion in the Manufacturer & Suppliers Index at no additional cost. Tradenames must be registered to appear.

LIST YOUR PRODUCT CATEGORIES

Manufacturers Only: Every **manufacturer** is entitled to **ONE** product category listing at no cost. Additional categories may be purchased for \$157 each. Display advertisers in this issue may select an **unlimited** number of categories at no cost.

AERIAL

- Aerial Devices
- Aerial Lifts
- Aerial Videography
- Baskets - Fiberglass
- Bucket Liners - Aerial Lift Accessories
- Carts - Aerial, Powered
- Lidar Mapping - Aerial
- Lifts - Aerial Bucket
- Lifts - Aerial, Platform-type
- Surveying Services - Aerial

ALUMINUM - STRUCTURAL

- Aluminum - Structural

ANCHORS

- Anchors - Bolt
- Anchors - Corrosion-resistant
- Anchors - Earth, Expanding & Deadman
- Anchors - Earth, Rock
- Anchors - Earth, Screw
- Anchors - Foundation
- Anchors - Power-installed

ARRESTERS

- Arresters, Lightning, Distribution - Combination Arrester Cutout
- Arresters, Lightning, Distribution - Line-type
- Arresters, Lightning, Distribution - Station
- Arresters, Lightning - Elbows
- Arresters, Lightning, Secondary Distribution
- Arresters, Lightning, Transmission - Alternating Current
- Arresters, Lightning, Transmission - Direct Current

AUTOMATION

- Annunciators-Visual
- Asset Management Software
- Communications Peripherals
- Communication Systems
- Computers - Data Collection
- Computers - Digital
- Computers - Dissolved Gas Analysis
- Computers - Inventory Systems
- Computers - Laptop
- Computers - Mini

- Computer Software
- Computer Software - CMMS
- Computer Software - Microcomputing
- Computer Software - NERC Compliance
- Computer Software - Protection & Control
- Computer Software - Sales Automation
- Computers - Simulation
- Computing Services - Programming
- Consoles - Communication
- Consultants - AM/FM
- Consultants - Distribution Automation
- Consultants - Engineering Computer Services
- Consultants - GIS
- Consultants - SCADA/EMS Engineering
- Consultants - Systems Integration
- Consultants - Telecommunications
- Controllers - Programmable
- Controls - Capacitor
- Controls - Data-logging
- Controls - Digital
- Controls - Remote
- Controls, Streetlighting - Photoelectric
- Controls - Supervisory
- Controls - Tapchanger
- Controls - Temperature
- Controls - VAr/Volt
- Converters - AC/DC
- Converters - DC/DC
- Data Acquisition Systems
- Data Analytics
- Data Communications Systems
- Data Sets - Fiber Optics
- Demand Side Management Systems/Equipment
- Detectors - Fault
- Detectors - Leak
- Detectors (also see Indicators)
- Detectors - Voltage
- Dispatch Systems, Computer-Aided
- Distribution Automation Systems
- Energy Management Systems/Equipment
- Energy Management Systems Software, Open Access
- Energy Sensing
- Energy Storage
- Fiber Optic Components
- Fiber Optic Systems
- Geographic Information Systems (GIS)

- Global Positioning Systems (GPS)
- Harmonic Measurement Equipment
- Indicators - Fault Current
- Indicators - Load
- Indicators - Phase Sequence
- Indicators (also see Detectors)
- Indicators - Temperature
- Infrared Imaging Systems/Scanners
- Inspection Equipment - Infrared
- Inspection Services - Infrared
- Load Management Systems/Equipment
- Locating Equipment - RFI/TVI
- Locators - Fault
- Locators - Fault, Transmission Line
- Locators - Radio Interference
- Mapping Services
- Meter Data Management Systems
- Metering Systems - Electronic
- Meter Reading Equipment - Automatic
- Meter Reading Equipment - Remote
- Meters - Ampere
- Meters - Ampere-hour
- Meters - Demand
- Meters - Frequency, Digital
- Meters - Kilowatthour
- Meters - Level, Frequency Selective
- Meters - Phase
- Meters - Power Factor
- Meters - Power Quality
- Meters - Power, RF
- Meters - Test Automation
- Meters - Time-of-use
- Meters - Var
- Meters - Volt
- Meters - Watt
- Meters - Watthour
- Mobile Apps
- Modems - Data Communications
- Monitoring - Circuit Breakers
- Monitoring & Diagnostics
- Monitoring - Load Tap Changers
- Monitoring - SF6 Density
- Monitoring - Transformers
- Monitors - Cable Systems
- Monitors - Fault Gas
- Monitors - Ground Fault

AUTOMATION (continued)

- Monitors-Power Line Disturbance
- Multiplexers - Data Communications
- Multiplexers - Fiber Optics
- Multiplexers - Voice Communications
- Network Management System
- On-line Monitoring
- Outage Management Systems
- Power Line Carrier Equipment/Systems
- Power Quality Equipment
- Power Supplies - Uninterruptible
- Recorders - Electronic Demand
- Recorders - Event
- Recorders - Transient Fault
- Relays - Protective
- Relays - Regulating
- Remote Information Systems-Automation
- Remote Terminal Units
- Remote Viewing Instruments
- RIV and TVI Correction
- SCADA
- SCADA Installation Services
- SCADA Maintenance Services
- Security
- Sensors - Line Post
- Smart Meters
- Substation Automation Systems/Equipment
- Switching - Automated
- Telemetry Equipment
- Thermometers - Infrared
- Transducers
- Work Scheduling System

BATTERY

- Batteries - Rechargeable
- Batteries, Storage - Stationary
- Battery and Monitoring Equipment
(also see Test Equipment - Batteries)

BIRD & WILDLIFE PROTECTION

- Bird - Diverters
- Guards - Animal and Bird
- Substations-Wildlife Protection
- Wildlife Protection
- Woodpecker Damage

BLOCKS

- Blocks - Conductor-stringing
- Blocks - Hoist
- Blocks, Insulating - Terminal

BLOWERS

- Blowers - Exhaust
- Blowers - Underground Transformer Vaults
- Fans - Transformer-cooling

BOARDS

- Boards - Linemen's Platform
- Boards - Running (Conductor-stringing)

BOLTS & SCREWS

- Adapters - Bolt Circle
- Bolts - Aluminum
- Bolts - Aluminum-coated
- Bolts - Charpey Tested
- Bolts - Bronze
- Bolts - Galvanized

- Bolts - Stainless Steel
- Bolts - Step
- Bolts - U-bolts, Galvanized
- Bolts - Weathering Steel
- Screws - Lag

BRACKETS

- Brackets
- Brackets - Arrester
- Brackets - Cable
- Brackets - Capacitor
- Brackets - Cluster-mount
- Brackets - Crossarm
- Brackets - Cutout
- Brackets - Disconnect Switch
- Brackets - Extension
- Brackets - Insulator
- Brackets - Neutral Wire
- Brackets - Pipe
- Brackets - Pothead
- Brackets - Streetlight
- Brackets - Transformer
- Brackets - Transformer Lead
- Brackets - Transformer, Mounting
- Mounts, Aluminum

BUILDINGS

- Buildings - Equipment, Electrical
- Buildings - Prefabricated

BUS

- Bus
- Bus Conductor - Aluminum
- Bus Conductor - Copper

BUSHING

- Bushing Repair
- Bushings, Condenser-type - Cast Epoxy
- Bushings, Condenser-type - Porcelain, Oil-filled
- Bushings, Distribution Apparatus (through 34.5kV)
- Bushings, Distribution, Molded
- Bushings, High Voltage Apparatus (over 34.5kV)
- Bushings - Loadbreak
- Potential Devices - Bushing

CABLE

- Cable - Aerial, Self-support
- Cable - Aerial Spacer
- Cable - Aluminum
- Cable - Coaxial
- Cable - Control
- Cable - Copper
- Cable - Fiber Optic
- Cable - Gas, Pressure
- Cable - Grounding
- Cable - Jumper
- Cable - Liquid-filled
- Cable - Liquid-pressure
- Cable - Multiplex, Service Drop
- Cable - Preamsembled Cable Duct
- Cable - Preamsembled Low-Voltage
- Cable Preparation Tools
- Cable Protection
- Cable Pulling
- Cable Replacement Service
- Cable Restoration Service
- Cable - Secondary, Covered
- Cable - Shielded

- Cable - Streetlighting
- Cable - Submarine
- Cable - Temporary Ground
- Cable - Transmission, Accessories
- Cable - Transmission, Armored
- Cable - Transmission, Liquid-filled
- Cable - Transmission, Low-pressure, Gas-filled
- Cable - Transmission, Paper-insulated
- Cable - Transmission, Pipe-type
- Cable - Transmission, Polymer-insulated
- Cable - Transmission, Solid-dielectric
- Cable - Underground, Leaded
- Cable - Underground, Nonleaded
- Cable - Underground, Polymer-insulated
- Cable - Underground, Residential
- Cable - Underground, Strand-filled
- Cable Wrap
- Dampers-Vibration
- Grips - Cable-pulling
- Grips - Cable-support
- Spears - Cable-grounding

CALIBRATION/CALIBRATORS

- Calibration Services

CAPACITORS

- Capacitors-Containment
- Capacitors, Series - Transmission
- Capacitors, Shunt, Distribution - Pole-mounted
- Capacitors, Shunt, Distribution - Underground
- Capacitors, Shunt, Transmission

CATHODIC PROTECTION SYSTEMS

- Cathodic Protection Systems

CIRCUIT

- Circuit Reclosers, Automatic - Single-phase
- Circuit Reclosers, Automatic - Three-phase
- Circuit Switchers

CIRCUIT BREAKERS

- Circuit Breaker Components
- Circuit Breakers - Air Blast
- Circuit Breakers - Oil
- Circuit Breakers - SF6
- Circuit Breakers - Test & Maintenance
- Circuit Breakers - Vacuum

CLAMPS

- Clamps - Bail
- Clamps - Blanket
- Clamps - Dead-end
- Clamps - Ground
- Clamps - Hotline
- Clamps - Messenger
- Clamps - Neutral
- Clamps - OPGW
- Clamps - Parallel Groove
- Clamps - Pulling
- Clamps - Service Drop
- Clamps - Stirrup
- Clamps - Strain
- Clamps - Suspension
- Clamps - Tapping
- Clamps - Temporary Ground
- Clamps - Transformer Lead
- Clips - Guy-wire

CLEARANCE SERVICES

- Clearance Services - Right-of-way
- Clearance Services - Tree

CLEAVISES

- Cleavises - Dead-end
- Cleavises - Insulated

COATING

- Coatings - Insulator, Fluorourethane/Silane

COMPOUNDS

- Compounds - Aluminum Connector
- Compounds - Connectors
- Compounds - Inhibitor
- Compounds - Joint, Electrical
- Compounds - Sealing
- Compounds - Splicing
- Compounds - Wire- and Cable-pulling

COMPRESSION/COMPRESSORS

- Compression Dies
- Compressors, Air - Portable

CONDUCTOR

- Anti-gallop Devices
- Bullwheels
- Conductor, Aluminum - AAAC
- Conductor, Aluminum - AAC
- Conductor, Aluminum - ACAR
- Conductor, Aluminum - ACCR
- Conductor, Aluminum - ACSR
- Conductor, Aluminum - ACCS
- Conductor, Copper - Bare
- Conductor Line Rating
- Conductor - Sag, Monitor
- Conductor, Steel - Aluminum-clad
- Conductor, Steel - Copper-clad
- Conductor Stringing Equipment
- Conductor Weights
- Sockline
- Spreaders - Conductor
- Travelers - Conductor-stringing

CONDUIT

- Caps-Conduit
- Conduit - Fiberglass-reinforced
- Conduit - Plastic
- Conduit Standoff - Aluminum

CONNECTORS

- Connectors - Bolted, Distribution
- Connectors - Bolted, Transmission
- Connectors - Compression, Distribution
- Connectors - Compression, Transmission
- Connectors - Corrosion-resistant
- Connectors - Deadend, Distribution
- Connectors - Deadend, Transmission
- Connectors - Flexible
- Connectors - Formed Spiral
- Connectors - Grounding
- Connectors - Insulation Piercing
- Connectors - Lugs, Terminating
- Connectors - Midspan
- Connectors - Plug-in
- Connectors - Rope
- Connectors - Secondary Network

- Connectors - Service
- Connectors - Shunts
- Connectors - Solder
- Connectors - Streetlighting
- Connectors - Submersible
- Connectors - Substation
- Connectors, Underground - Terminating
- Connectors - Wedge
- Connectors - Welded
- Fasteners - Corrosion-Resistant

CONSTRUCTION EQUIPMENT/MATERIALS

- Hangers
- Hangers - Aerial Cable
- Hangers - Equipment
- Hangers - Messenger
- Mats - Road
- Mats - Road Rental
- Plates - Road
- Portable Bridges
- Shoring System
- Temporary Access Systems
- Trench/Trenchers

CONSTRUCTION SERVICES

- Construction Services - Barehand/Live Line
- Construction Services - Overhead Distribution
- Construction Services - Substations
- Construction Services - Telecommunications Networks
- Construction Services - Temporary Road Installation/Removal
- Construction Services - Underground T&D
- Portable Bridges
- Temporary Access Systems

CONSULTANTS (also see Automation Section)

- Consultants - Management
- Consultants - Substation Design and Engineering
- Consultants - T&D Engineering
- Consultants - Underground and Underwater Cable
- Consultants - Vegetation Management

CONTRACTORS

- Contractors - Major T&D Construction
- Contractors - Major T&D Engineering

COVERS

- Covers - Conductor
- Covers - Cutout
- Covers - Dead-end
- Covers - Meter
- Covers - Meter Socket
- Covers - Substation Trench
- Covers - Tarp, Canvas
- Covers - Vault

CRANES

- Cranes - Hydraulic
- Cranes - Mats
- Cranes - Telescoping
- Cranes - Truck

CROSSARMS

- Crossarms, Braces
- Crossarms - Bolts
- Crossarms - Composite
- Crossarms - Fiberglass-reinforced
- Crossarms - Steel

- Crossarms, Wood - Laminated
- Crossarms, Wood - Solid

CUTOUTS

- Cutouts, Fused - Enclosed
- Cutouts, Fused - Open, Loadbreak
- Cutouts, Fused - Open, Nonloadbreak
- Cutouts, Loadbreak

CUTTERS

- Cutters - Bolt
- Cutters - Brush
- Cutters - Cable
- Cutters - Rod
- Cutters - Wire

DEADENDS

- Deadends - Automatic-type
- Deadends - Formed Spiral
- Deadends (also see Clamps)
- Deadends - Wood, Laminated

DETECTORS (also see Automation Section)

- Detectors - Radio, TV Interference
- Detectors - Sag

DIGGERS

- Digger/Derricks
- Diggers, Earth, Rock - Pressure

DOLLIES

- Dollies, Backyard-type - Powered and Manual
- Dollies - Cable Reel
- Dollies - Transformer

DRIVERS

- Drivers - Anchor
- Drivers - Ground Rod

DUCT

- Duct - Cable In-duct
- Duct - Fittings
- Duct - Flexible
- Duct - Plastic
- Duct-rodging Equipment

EARTHWORK/EXCAVATION

- Augers - Earth
- Backfiller - Pole-setting
- Backfill - Pole, Chemical
- Bits - Auger
- Borers, Earth - Horizontal
- Compactors - Earth
- Drilling - Foundations

ENCLOSURES

- Cabinets, Sectionalizing
- Enclosures - Fiberglass-reinforced
- Enclosures - Metal
- Enclosures - Metering Equipment
- Enclosures - Plastic
- Enclosures - Polymer Concrete
- Shelters - Padmounted, Walk-In
- Switchhouses

FENCING

- Fencing - Animal Deterrent

FIBERGLASS

- Fiberglass
- Fiberglass - Cleaner
- Fiberglass - Refinisher
- Fiberglass - Wax

FIBER OPTICS (also see Automation Section)

- Fiber Optic - Installation Services
- Fiber Optic Markers
- Fiber Optics - Splicing
- Fiber Optic Test Equipment

FILTERS

- Filters - Harmonic
- Filtration Systems - Oil

FITTINGS

- Fittings - Bus Bar
- Fittings - Distribution Line
- Fittings - Hydraulic
- Fittings - Transmission Line

FOUNDATIONS - POWER-INSTALLED

- Foundations - Power-installed

FUSES

- Fuses - Current-limiting
- Fuses - Holders
- Fuses - Links
- Fuses - Power
- Fuses - Secondary
- Fuses - Submersible

GAGES

- Gages - Liquid Level
- Gages - Pressure
- Gages - Temperature
- Gages - Vacuum

GAS

- Gas Reclaiming Carts - SF6
- Gas - SF6 Insulating

GENERATORS

- Generators - Stationary

GINs

- Gins - Crossarm
- Gins - Pole Framing
- Gins - Transformer

GRATINGS - STEEL

- Gratings - Steel

GROUNDING EQUIPMENT

- Grounding Equipment

GROUNDING SYSTEMS

- Grounding Systems

GROUNDS - TRAVELING

- Grounds - Traveling

GUARDS

- Guards - Bushing
- Guards - Cable
- Guards - Climber, Lineman's
- Guards - Guy
- Guards - Line
- Guards - Manhole
- Guards - Pole
- Guards - Tool

HARDWARE

- Hardware - Bronze
- Hardware - Pole-line
- Yokes - Strain

HELICOPTERS

- Helicopters

HOISTS

- Binders - Load
- Hoists - Chain
- Hoists - Lever
- Hoists - Powered
- Hoists, Web Strap - Hotline
- Hoists - Winch

HOOKS

- Hooks - Clipping
- Hooks - Pulling

HOSES

- Hose, Hydraulic - Flexible
- Hose, Rubber - Hotline

INDICATORS (also see Automation Section)

- Indicators - Liveline
- Indicators - Rope

INSPECTION (also see Automation Section)

- Conductor Inspection
- Inspection Services - Aerial
- Inspection Services - Aerial Lifts and Cranes
- Inspection Services - Helicopter
- Inspection Services - Inventory, Outside Plant
- Inspection Services - Poles
- Inspection Services - SF6 Leak Detection

INSULATION/INSULATORS

- Insulation - EPR
- Insulators - Composite
- Insulators - Glass Toughened
- Insulators, Guy Strain - Fiberglass- reinforced
- Insulators, Guy Strain - Porcelain
- Insulators - Pin-type
- Insulators - Polymer
- Insulators - Porcelain
- Insulators, Post - Horizontal
- Insulators, Post - Station
- Insulators - Rubber
- Insulators - Solid Core
- Insulators - Spool
- Insulators - Strain
- Insulators - Suspension
- Insulators - Switch and Bus

INTERRUPTERS

- Interrupters - Fault
- Interrupters - Fault Interrupting
- Interrupters - Line Charging and Loop Splitting
- Interrupters - Load Break
- Interrupters - SF6
- Interrupters - Vacuum

KITS

- Kits - Cable-splicing
- Kits - Stress Cone
- Kits - Terminating

LABELS

- Labels - Bar Code
- Labels - Metal
- Labels - Plastic
- Labels (also see Markers)
- Labels - Self-adhesive

LADDERS

- Ladders
- Ladders, Extension - Fiberglass- reinforced
- Ladders - Manhole
- Ladders - Step
- Ladders - Towers

LIGHTING

- Bases - Pole, Lighting
- Flashlights
- Flashlights - Rechargeable
- Floodlights
- Floodlights - Fixed
- Floodlights - Portable
- Lamps - HID
- Lamps - HPS
- Lamps - LED
- Lamps - Metal Halide
- Lanterns
- Lighting - High Mast Lowering Devices
- Lights
- Lights - Aviation Obstruction
- Lights - Emergency
- Lights - Search, Handheld
- Lights - Spot
- Lights - Substation
- Lights - Warning
- Luminaires - Highway Lighting
- Luminaires - Shielding
- Luminaires - Streetlight
- Solar Systems - Lighting

LIGHTNING

- Lightning Protection Systems

LIMITERS

- Limiters - Current, Network

LOCATORS/LOCATING DEVICES (also see Automation Section)

- Locators - Cable
- Locators - Pipe

LUBRICANTS

- Grease - Silicone
- Grease - Wire-pulling
- Lubricants - Wire Pulling

MANHOLES

- Handholes and Manholes

MARKERS

- Markers - Cable
- Markers - Conductor, Aerial
- Markers - Fiber Optic
- Markers - Pole
- Markers (also see Labels)
- Markers - Transmission Line
- Marker Systems

METERS/METERING

(also see Automation Section)

- Hygrometer
- Meter Adapters
- Metering, Padmounted
- Meter Reading Equipment and Installation Services
- Meter Reading Services
- Meter Removal Tool
- Meters - Clamp-on
- Meters - Ground Resistance
- Meters - Instrumentation
- Meters - Ohm
- Meters - Portable
- Meters - Ratio
- Meters - Socket
- Multimeters
- Phase Identification
- Tensiometers - Line Tension
- Volt-Ohm-Milliammeters

MOTORS

- Motor Operators
- Motors - AC/DC

NUTS/BOLTS

- Nuts - Common
- Nuts - Self-locking

OIL

- Oil, Insulating - Petroleum Base
- Purifiers-Insulating Oil

PADS

- Box Pads, Chuted
- Ground Sleeves
- Hill Holders
- Mounted Equipment Pads
- Pads - Box
- Pads - Flat
- Pads - Outrigger

PAINT/PAINTING

- Paint - Anticorrosive
- Painting Contractors
- Painting Contractors - Substation
- Painting Contractors - Towers, Poles

PEDESTALS

- Pedestals - Meter, Underground
- Pedestals - Power and Telephone
- Pedestals - Secondary, Aboveground
- Pedestals - Secondary, Subsurface

PHASE IDENTIFICATION

- Phase Identification

PINS

- Pins, Insulator - Fiberglass-reinforced
- Pins, Insulator - Steel
- Pins, Insulator - Wood

PLATFORMS

- Platforms - Pole, Linemen's
- Platforms - Transformer

POLES

- Bands - Pole
- Bayonets - Pole Extension
- Gains, Pole - Crossarm
- Handlers - Pole
- Keys - Pole
- Plugs, Wood Pole
- Pole-Caps
- Pole Foam
- Pole Reclassification
- Pole Restoration
- Poles, Distribution - Composite
- Poles, Distribution - Concrete
- Poles, Distribution - Fiberglass
- Poles, Distribution - Steel
- Poles, Distribution - Wood, Solid
- Poles - H-Frame
- Poles, Lighting - Aluminum
- Poles, Lighting - Concrete
- Poles, Lighting - Fiberglass-reinforced Plastic
- Poles, Lighting - Steel
- Poles, Lighting - Wood, Laminated
- Poles, Lighting - Wood, Solid
- Poles, Pike - Hand
- Poles, Transmission - Aluminum
- Poles, Transmission - Composite
- Poles, Transmission - Concrete
- Poles, Transmission - Crossarms - Steel
- Poles, Transmission - Davit Arms - Steel
- Poles, Transmission - Fiberglass
- Poles, Transmission - Framing Kits - Steel
- Poles, Transmission - Steel
- Poles, Transmission - Wood, Laminated
- Poles, Transmission - Wood, Solid
- Splints - Pole-reinforcing
- Steps - Pole
- Stubs, Pole - Steel
- Tonges - Pole

PORCELAIN

- Porcelain Repairs

POWER (also see Automation Section)

- Power Supplies - DC
- Power Supplies - High Voltage

PRESERVATIVES

- Preservatives, Wood - Pole
- Preservatives, Wood Pole - Groundline

PROBES

- Probes, Soil - Grounding
- Probes, Soil - Holding Power Test

PROTECTION/PROTECTORS

(also see Automation Systems)

- Protectors - Current-limiting
- Protectors - Line
- Protectors - Network
- Protectors - Tags, Plastic

PULLERS

- Pullers - Cable
- Pullers - Cable, Aerial
- Pullers - Cable, Underground
- Pullers - Conductors
- Pullers - Fiber Optic Cable
- Pullers - Rope

PUMPS

- Pumps - Hydraulic
- Pumps - Water

RACKS

- Racks - Cable
- Racks - Capacitor
- Racks - Ladder
- Racks - Secondary
- Racks - Underground

RADIO

- Radio, Two-way - Fixed
- Radio, Two-way - Portable

REACTORS

- Reactors - Current-limiting, Series and Shunt, Filter
- Reactors - Shunt, Neutralizing

RECLOSERS

- Reclosers, Single-phase
- Reclosers, Three-phase

RECRUITING SERVICES

- Transmission & Distribution

REELS

- Brakes - Cable Reel
- Reels - Cable
- Reels - Cable Dispensing
- Reels - Conductor-stringing
- Reels - Handling Equipment
- Reels - Wire, Grounding

REGULATORS

- Regulators, Voltage
- Regulators, Voltage - Electromechanical
- Regulators, Voltage - Static type (SCR's)
- Regulators, Voltage - Step-type

RELAYS (also see Automation Section)

- Protective Relay Panels
- Relays - Auxiliary
- Relays - Isolation

RODS

- Rods - Anchor
- Rods - Anchor, Fiberglass
- Rods - Armoring, Formed Spiral
- Rods - Ground
- Rods - Insulating
- Rods - Temporary Ground

ROPE

- Rope
- Rope - Kevlar
- Rope - Manila
- Rope - Non-conducting
- Rope - Nylon
- Rope - Polyester
- Rope - Polyethylene
- Rope - Polypropylene
- Rope - Safety
- Rope - Wire

SAFETY/SECURITY

- Anti-fall Devices
- Barricades - Traffic
- Barriers - Electric
- Belts - Safety and Body
- Blankets - Rubber
- Fire Protection
- Flags - Danger
- Harnesses - Linemen
- Hoods, Rubber - Hotline
- Lockout Tagout
- Padlocks
- Safety Equipment
- Safety Equipment Testing
- Safety Products
- Security Barriers - Substations
- Security Equipment
- Shields - Face
- Shields - Safety
- Signs - Danger
- Signs - Safety
- Signs - Traffic
- Signs - Warning

SEALS/SEALANT/SEALING

- Seals - Meters

SECTIONALIZERS

- Sectionalizers - Automatic Line
- Sectionalizers - Faulted Cable
- Sectionalizers - Padmounted

SERVICES

- Corona Imaging Systems & Services
- Emergency Restoration Services
- EMF Testing
- Engineering Services - T&D Networks
- Galvanizing Service
- Leasing Services - Construction Equipment
- Maintenance Services and Products
- Maintenance Services - Overhead & Underground
- Measurement Services
- Rental Services - Equipment
- Rental Services - Trucks
- Right-of-way - Acquisition Services
- Spraying Services - Chemical, Ground
- Technical Services
- Transportation - Heavy & Over-sized Hauling
- Trouble Call/Service Restoration

SHEAVES

- Sheaves - Conductor-stringing
- Sheaves - Manhole
- Sheaves - Relining

SHIELDS - CORONA

- Shields - Corona

SLEEVES

- Sleeves - Rubber, Linemen's
- Sleeves - Shrinkable

SLINGS

- Slings - Nylon Web
- Slings - Wire Rope

SPACERS

- Spacer-dampers - Bundled Conductor
- Spacers - Bundled Conductor
- Spacers, Overhead Spaced Cable - Plastic
- Spacers, Overhead Spaced Cable - Porcelain
- Spacers - Underground Cable and Conduit

SPLICES

- Splices - Compression joint
- Splices - Formed Spiral
- Splices - Molded
- Splices - Prefabricated
- Splices - Preinsulated
- Splices - Tension
- Splices - Welded

STEEL

- Steel - Structural

STICKS

- Sticks - Disconnect
- Sticks - Hot
- Sticks - Shotgun
- Sticks - Telescoping

STRUCTURES

- Structures, Lifting System
- Structures - Solar Support
- Structures, Transmission - Emergency
- Structures - Wind Tower

SUBSTATIONS (also see Automation Section)

- Inverter - Substation
- Panelboards - Panels
- Substations - Aluminum, Prefabricated
- Substations - Aluminum, Structural
- Substations - Animal Deterrent Fencing
- Substations - Ballistic Protection
- Substations - Concrete, Precast
- Substations - Flexible AC Transmission Systems (FACTS)
- Substations - Gas-insulated
- Substations - HVDC
- Substations - Maintenance & Inspection
- Substations - Metal-enclosed
- Substations - Mobile
- Substations - Monitoring
- Substations - Packaged Assemblies
- Substations - Padmounted
- Substations - Reactive Compensation
- Substations - Security Fencing
- Substations - Steel, Prefabricated
- Substations - Steel, Structural
- Substations - Turnkey High Voltage
- Substations - Wood, Treated

SUPPORTS

- Supports
- Supports - Bus Bar
- Supports - Cable
- Supports - Solar

SUPPRESSORS - SURGE

- Suppressors - Surge

SURVEYING

- Surveying Services

SUSPENSION

- Suspension Arms, Pole - Steel
- Suspension Arms, Pole - Wood, Laminated
- Suspensions - Formed Spiral
- Suspensions - Static Wire

SWITCHES/SWITCHING

(also see Automation Section)

- Switchers - Reactor
- Switches - Air, Group-operated
- Switches - Capacitors
- Switches - Circuit Control
- Switches - Distribution
- Switches - Ethernet
- Switches - Fuse, Disconnecting
- Switches - Gas-filled
- Switches - Grounding
- Switches - Hookstick, Disconnecting
- Switches - Hookstick, Disconnecting In-line
- Switches - Hookstick, Interrupting
- Switches - Horn Gap
- Switches - Isolating
- Switches - Meter Disconnect
- Switches - Motor-operated
- Switches - Oil
- Switches - Padmounted
- Switches-Pantograph
- Switches - Regulator, Bypass
- Switches - Static Transfer
- Switches - Submersible
- Switches - Substation
- Switches - Substation, Disconnecting
- Switches - Throwover, Automatic
- Switches - Transfer
- Switches - Transmission
- Switches - Unitized
- Switches - Vacuum

SWITCHGEAR

- Switchgear - Arc Resistant
- Switchgear - Boots, Insulating
- Switchgear - Cubicles
- Switchgear - Insulation
- Switchgear - Medium Voltage
- Switchgear - Metal-enclosed
- Switchgear - Padmounted
- Switchgear - Rebuilding and Repair Service
- Switchgear - Retrofit
- Switchgear - SF6
- Switchgear - Submersible
- Switchgear - Vacuum

SWIVELS

- Swivels - Conductor-pulling
- Swivels - Crane

SYNCHRONIZERS

- Synchronizers

TAP CHARGERS

- Tap Chargers, Transformer - Load, No-load

TAPE

- Tape - Plastic
- Tape - Rubber
- Tape - Splicing
- Tape - Underground Marking

TENSIONERS

- Tensioners, Conductor - Pole-mounted
- Tensioners, Conductor - Trailer-mounted
- Tensioners, Conductor - Truck-mounted

TERMINALS

- Terminals - Underground

TERMINATORS

- Terminators, Cable - Loadbreak
- Terminators, Cable - Nonloadbreak
- Terminators, Cable - Prefabricated
- Terminators - Duct

TEST EQUIPMENT

- Audio Tone Equipment
- Cable Tagging - Cable Identification
- Test Equipment - Aerial Basket
- Test Equipment - Batteries
- Test Equipment - Blanket
- Test Equipment - Bridges, Instrument
- Test Equipment, Cable - Diagnostic
- Test Equipment, Cable - HV AC/DC
- Test Equipment - Capacitance
- Test Equipment - Capacitors
- Test Equipment - Circuit Breaker
- Test Equipment - Electric Tool
- Test Equipment - Fault Locator
- Test Equipment - Fiber Optic
- Test Equipment - Glove
- Test Equipment - HV Impulse
- Test Equipment - HV Test Sets, Portable
- Test Equipment - Instrument Transformer
- Test Equipment - Insulation
- Test Equipment - Insulators
- Test Equipment - Lightning Arresters
- Test Equipment - Luminaires and Ballasts
- Test Equipment - Meter Socket
- Test Equipment - Meter Test Boards
- Test Equipment - Meter Test Sets
- Test Equipment - Micro-ohmmeter
- Test Equipment - Moisture
- Test Equipment - Oil
- Test Equipment - Photoelectric Control
- Test Equipment - Reclosers
- Test Equipment - Relay
- Test Equipment - Ropes & Straps
- Test Equipment - Safety and Tool Instruments
- Test Equipment - SF6
- Test Equipment - Sleeve, Rubber
- Test Equipment - Soil Analyzers

TEST EQUIPMENT (continued)

- Test Equipment - Temperature
- Test Equipment - Testing Standards
- Test Equipment - Transformers
- Test Equipment - Wattmeter
- Test Equipment - Watt/VAr Transducers

TESTING

- Concentric Neutral Testing
- Testing - Cable
- Testing - Fiber Optic, Cable
- Testing - Optical Groundwire
- Testing - Transformer
- Testing Services
- Testing Services - Rubber Goods
- Testing Services - Structures
- Testing - Transformer, Liquid
- VLF AC Withstand Testing
- VLF Tan Delta Diagnostic Testing
- VLF Partial Discharge Diagnostic Testing

TIES

- Ties - Cable
- Ties - Formed Spiral

TOOLS

- Boring Tools, Earth - Air-operated
- Climber, Linemen's
- Jumpers - Hotline
- Lanyards, Shock Absorbing
- Punches, Metal - Hydraulic, Portable
- Saws - Pole
- Saws - Pruning
- Staples
- Taps-Hotline
- Tools - Battery Operated
- Tools - Compression Tools and Dies
- Tools - Fiber Optic, Temperature Measurement
- Tools, Hand - Manual
- Tools, Hand - Powered
- Tools - Hotline
- Tools - Hydraulic, Cutting
- Tools - Hydraulic, Portable
- Tools - Lineman's
- Tools - Line Throwing
- Tools - Loadbreak
- Tools - Loadbreak & Load Pickup
- Tools - Safety
- Wiping Cloths

TOWERS

- Towers - Antenna
- Towers, Transmission - Anti-Climbing Devices
- Towers, Transmission - Concrete
- Towers, Transmission - Retrofit
- Towers, Transmission - Steel
- Towers, Transmission - Steel, Lattice
- Towers, Transmission - Wood Laminated
- Towers, Transmission - Wood, Solid

TRAILERS

- Trailers - Cable Reel
- Trailers - Cable-splicing
- Trailers - General Hauling
- Trailers - Hotstick
- Trailers - Mobile Power
- Trailers - Pole

TRAINING

- Training - Anchors
- Training - Arc Flash Hazard
- Training - Arrestors
- Training - Asset Management
- Training - Cable
- Training - Capacitors
- Training - Circuit Breakers
- Training - Circuit Breakers - Remote Racking
- Training - Connectors
- Training - Distribution Automation
- Training - Electrical & Mechanical
- Training - Electrical Safety
- Training - Energy Management Systems
- Training - Field
- Training - Inspection - Aerial Lifts and Cranes
- Training - Linework
- Training - Liveline Tools
- Training - Meters
- Training - Operations and Reliability
- Training - Personal Protective Equipment
- Training - Protection
- Training - Relays
- Training Resources
- Training - Safety
- Training - Safety Audits
- Training - Safety Tools
- Training - SCADA
- Training - Software
- Training - Substation Maintenance
- Training - Substation Networking
- Training - Substations
- Training - Switches
- Training - System Operator
- Training - Tap Chargers
- Training - T&D Engineering
- Training - Telecommunications
- Training - Testing
- Training - Transformers
- Training - Underground T&D
- Training - Videos

TRANSFORMER

- Contacts
- Transformer Components
- Transformer Disposal
- Transformer Dollies, Backyard-type - Powered and Manual
- Transformer Transport/Sling Bag
- Transformers - Containment
- Transformers - Cooling
- Transformers - Custom
- Transformers - Distribution, Cast-Coil
- Transformers - Distribution, Padmounted
- Transformers - Distribution, Padmounted - Components
- Transformers - Distribution, Pole-type
- Transformers - Distribution, Pole-type - Components
- Transformers - Distribution, Substation-type
- Transformers - Distribution, Subsurface
- Transformers - Dry Out, Impregnation
- Transformers - Dry-type, High Voltage
- Transformers - Dry-type, Low Voltage
- Transformers - Field Repairs
- Transformers - Fluids
- Transformers - Gas-Insulated
- Transformers, Grounding

Manufacturers Only: Every **manufacturer** is entitled to **ONE** product category listing at no cost. Additional categories may be purchased for \$157 each. Display advertisers in this issue may select an **unlimited** number of categories at no cost.

TRANSFORMERS (continued)

- Transformers - Instrument
- Transformers - Instrument, Current
- Transformers - Instrument, Voltage
- Transformers - Isolating
- Transformers - Large Power, 10,001 kVA and Larger, including Unit Substation Types
- Transformers - Liquid, High Voltage
- Transformers - Load Tap Changers, High Voltage
- Transformers - Maintenance
- Transformers - Mobile
- Transformers - Network
- Transformers - Nonflammable Liquid-filled
- Transformers, Oil Coolers
- Transformers - Padmounted
- Transformers - Power, Variable
- Transformers - Protection
- Transformers - Rebuild
- Transformers - Rebuilding and Repair Services
- Transformers - Shunt, Neutralizing
- Transformers - Small Power, 10,000 kVA and Smaller, Including Unit Substation Types
- Transformers - Spill Control
- Transformers - Splitcore
- Transformers - Station Breakers
- Transformers - Switchgear
- Transformers - Transport/Sling Bag

TRANSMISSION

- Flexible AC Transmission Systems
- Transmission Line Services
- Transmission Maintenance Services - Air Mobile

TRAPS - LINE

- Traps - Line

TREATING SERVICES

- Treating Services - Chemical
- Treating Services - Groundline, Pole
- Treating Services - Poles, Crossarms

TRENCH/TRENCHERS

- Shoring - Trench-excavating
- Trench - Precast Concrete

TUBING - PLASTIC, HEAT SHRINKABLE

- Tubing - Plastic, Heat Shrinkable

UNDERGROUND

- Adjustable Vault Reinforcement
- Expansion Joints
- Potheads
- Underground Utility Locating Service

VAULTS, UNDERGROUND

- Vaults, Underground - Adjustable Vault Reinforcement
- Vaults, Underground - Concrete
- Vaults, Underground - Fiberglass- reinforced
- Vaults, Underground - Secondary Connection
- Vaults, Underground - Transformer
- Vaults, Underground - Ventilation

VEGETATION CONTROL

- Chippers-Brush and Tree
- GIS - Vegetation Management Systems
- Herbicide Application System
- Herbicides
- Herbicides-Custom Blended
- Herbicides-Returnable/Refillable Containers
- Pruners-Tree, Limb Cutter
- Tree Growth Regulators
- Tree Trimming Services
- Trimmer, Tree - Mechanized
- Vegetation Control

VEHICLES & TRUCKS

- Bodies, Truck - Service
- Booms, Insulated - Bucket Trucks
- Chocks - Wheel
- Electric Vehicle Supply Equipment
- Vehicles - All Terrain
- Vehicles - Tracked

VOLTMETERS

- Voltmeters - Alternating Current
- Voltmeters - Digital
- Voltmeters - Direct Current
- Voltmeters - Kilovolt
- Voltmeters - Phasing

WASHERS

- Belleville Spring Washers
- Washers - Compression

WINCHES

- Winches - Portable
- Winches - Truck-mounted

WIRE

- Molding-Ground Wire
- Optical Groundwire
- Wire, Steel - Copper-clad
- Wire, Steel Strand - Aluminum-Clad
- Wire, Steel Strand - Galvanized
- Wire - Superconducting

WOOD

- Wood, Laminated

WORK

- Work Platforms
- Work Platforms - Insulated

WORK APPAREL

- Bags - Canvas
- Bags - Gloves
- Bags - Tools
- Belts - Tool
- Boots, Insulating - Bus Conductor
- Boots, Linemen's - Conductive Sole
- Clothing - Conductive
- Clothing - Flame Resistant
- Clothing - Protective
- Gloves - Leather
- Gloves - Rubber
- Goggles - Safety
- Hats - Safety
- Knives - Linemen's
- Liners - Glove
- Raingear
- Shoes - Ladder
- Shoes, Linemen's - Conductive Sole

CHECK THE APPROPRIATE BOX:

- I am a 1/6 or larger display advertiser in this issue therefore entitled to unlimited categories at no cost.*
- I am not a display advertiser in this issue. I have filled out the order form for my additional categories.

**If I do not advertise in this issue, I understand I will be billed for any additional categories I have selected.*

ADDITIONAL CATEGORY SUMMARY:

Total categories = _____
 Minus 1 category at no charge _____ (-1)
 Subtotal additional categories = _____
 x \$157 each

TOTAL FOR CATEGORIES = \$ _____

(Transfer this amount to order form on page 13)



MAIN COMPANY INFORMATION (Published)

Company/Division: _____
 Address: _____
 City: _____ State: _____ Zip: _____ Country: _____
 Phone: _____ Toll-Free Phone (if different): _____ Fax: _____
 E-mail: _____ Web Site URL: _____
 Contact Name: _____ Title: _____

FREE LISTING ONLY CATEGORY: _____

CONTACT INFORMATION (NOT for publication)

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 Address: _____
 City: _____ State: _____ Zip: _____ Country: _____
 Your Phone: _____ Your Fax: _____
 Your Name: _____ Title: _____
 Your E-mail: _____

Total Category Cost = \$ _____	Total Print Options Cost = \$ _____
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PAYMENT AND AUTHORIZATION

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