

# OKONITE

## DATA CENTER CABLES



**THE  
OKONITE  
COMPANY**

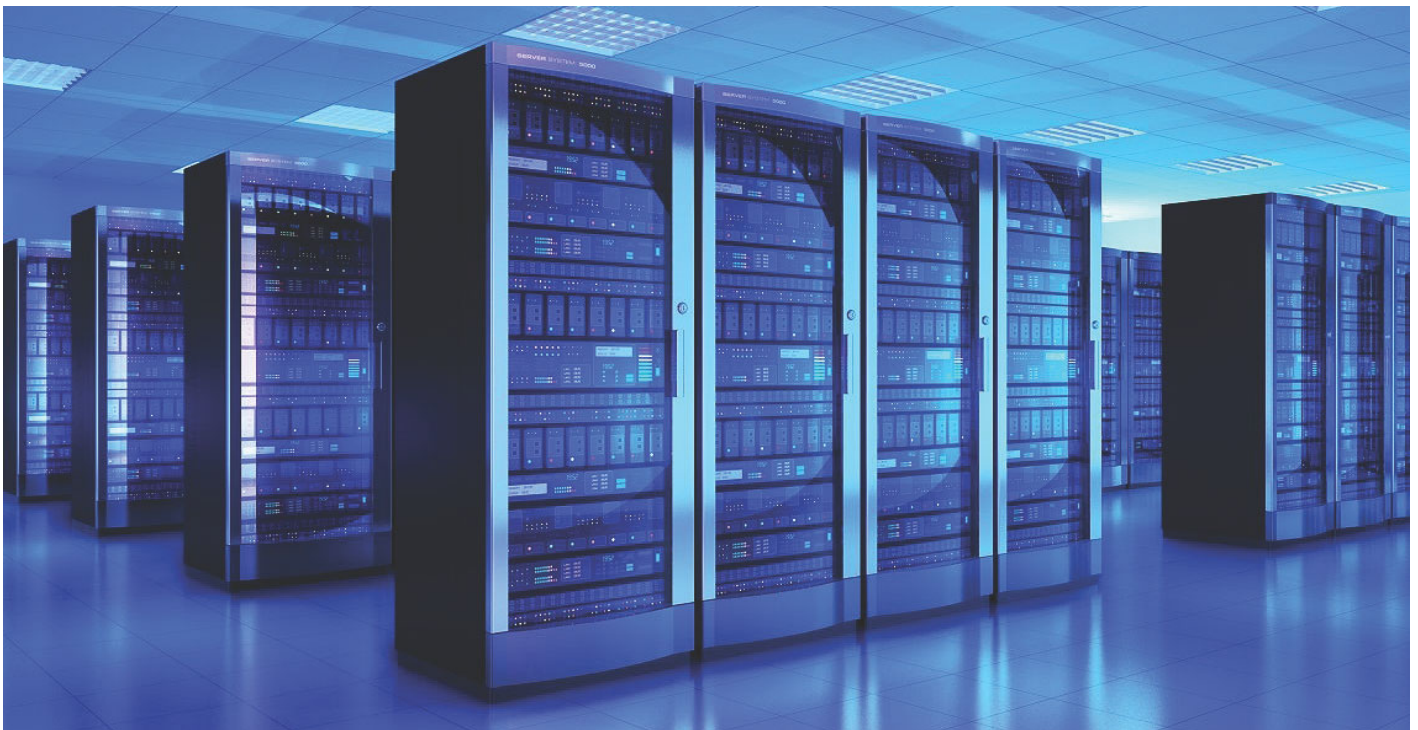
*Setting the Standard in Quality Since 1878*

# DATA CENTERS

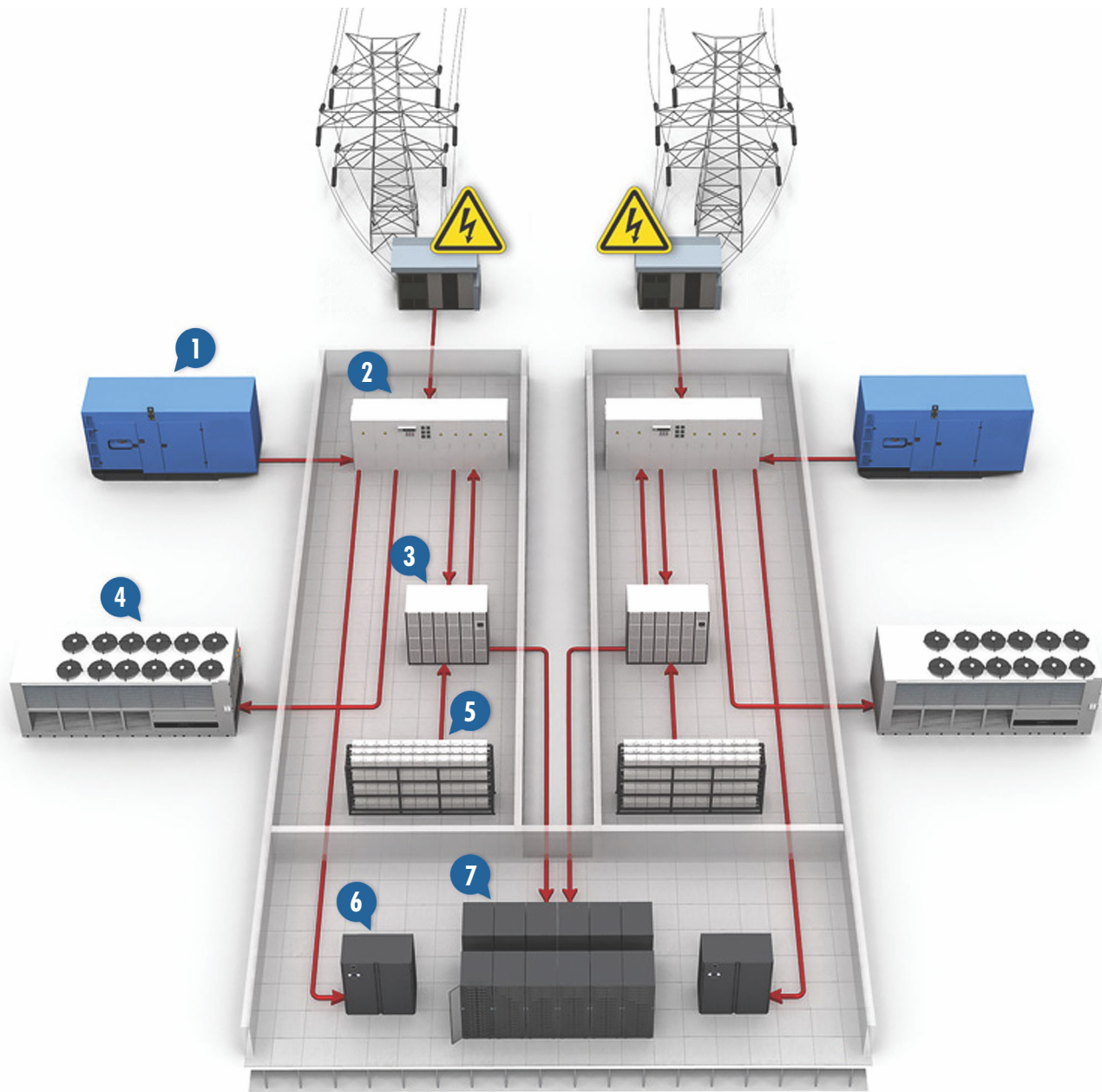
E-Commerce and social media have created a surge in Data Center construction projects and there is no significant slowdown expected in this exciting new construction segment. The Okonite Company recognizes that Data Center clients have unique reliability and product availability needs to bring their projects quickly to market at a competitive construction cost. With more Medium Voltage cable production capacity than any domestic competitor, Okonite is particularly suited for Data Center projects.

## OKONITE CAPABILITIES

- Okonite is the largest domestic manufacturer of EPR insulated MV cables with three independently strategically located rubber plants that manufacture EPR MV-105 cables.
- Okonite is vertically integrated by compounding our own EPR insulation which enables us to closely control our supply chain needs. This gives us more manufacturing flexibility than anyone else in the industry.
- Okonite manufactures a significant amount of MV classes, including 15kV and 35kV, which are the most common kV voltage classes utilized for Data Centers.
- Okonite has a number of solutions for your project. We manufacture MV cable with both copper and aluminum conductors and can offer low friction jackets and unique shipping options such as wood lagging, special reel project marking and pre-installed pulling eyes.
- Okonite has a vast inventory of finished stock cable. With a fleet of five service centers and our well stocked plant locations, Okonite is able to provide enhanced customer services throughout. Okonite's Service Center operations now total over 393,000 square feet. This provides our customers with inventory, custom cutting capability, and cable management services across the entire nation.
- Okonite has extremely thorough production testing and quality control procedures and is widely considered the most reliable MV cable available.
- Okonite has a team of Application Engineers whose primary function is to provide technical support and analysis on planned cable pulls. Okonite would like to be part of your solution.
- Okonite adheres completely to all BUILD AMERICA/ BUY AMERICA standards. We take pride in the fact that 100% of our cables are manufactured exclusively within the United States, at one or more of our five strategically located factories nationwide. Most installers prefer Okonite cable due to its exceptional flexibility and easy semiconductor strippability. This unique combination, along with our unparalleled overall quality, establishes Okonite as the "gold standard" in the industry.



# TYPICAL DATA CENTER LAYOUT



- |   |  |
|---|--|
| <b>1 Diesel Generator</b>                 | <b>5 UPS Batteries</b>                     |
| <b>2 Automatic Transfer Switch (ATS)</b>  | <b>6 Network Power Climate Control</b>     |
| <b>3 Uninterrupted Power Supply (UPS)</b> | <b>7 Servers/Storage Network Equipment</b> |
| <b>4 Network Power Chiller</b>            |  |



# YOUR DATA CENTER CABLE SOURCE

	Cable Type & Voltage	Product Line	Insulation & Jacket Type	Industry	Okonite.com
MEDIUM VOLTAGE POWER	15kV Cu MV-105	Okoguard-Okoseal	EPR/PVC	UL, CSA	Section 2, Sheet 8
	15kV AI MV-105	Okoguard-Okoseal	EPR/PVC	NEMA/ICEA	Section 2, Sheet 10
	35kV Cu MV-105	Okoguard-Okoseal	EPR/PVC	AEIC	Section 2, Sheet 57
	35kV AI MV-105	Okoguard-Okoseal	EPR/PVC		Section 2, Sheet 17
LOW VOLTAGE POWER & CONTROL	1/C Cu 600V	Okoguard-Okolon	EPR/TS-CPE	UL, CSA NEMA/ICEA	Section 3, Sheet 1
	M/C Cu 600V	Okonite FMR-Okoseal	EPR/PVC	UL, cUL NEMA/ICEA	Section 4, Sheet 5
	M/C Cu 600V	X-Olene-Okoseal	XLP/PVC (XHH, XHHW-2)	UL, cUL NEMA/ICEA	Section 4, Sheet 8

Contact your local Okonite Sales Office for additional information.

**Okonite also manufactures a full line of Instrumentation, Power & Control cables.**

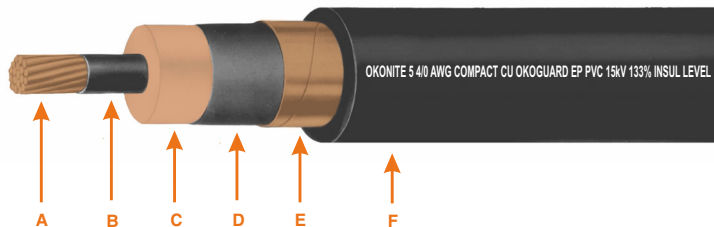


# MANUFACTURED DATA CENTER CABLES

## Okoguard®-Okoseal® Type MV-105

### 15kV Shielded Power Cable

One Okopact (Compact Stranded) Copper Conductor/105°C Rating  
100% and 133% Insulation Level  
For Cable Tray Use-Sunlight Resistant

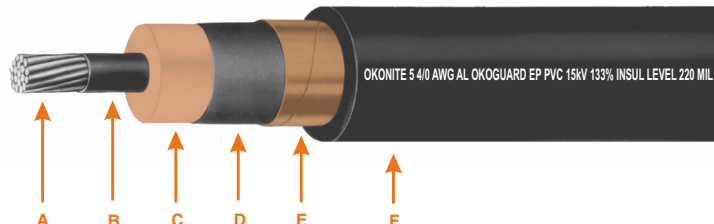


- A Uncoated, Okopact (Compact Stranded) Copper Conductor
- B Strand Screen-Extruded Semiconducting EPR
- C Insulation-Okoguard EPR
- D Insulation Screen-Extruded Semiconducting EPR
- E Shield-Copper Tape
- F Jacket-Okoseal

## Okoguard®-Okoseal® Type MV-105

### 15kV Shielded Power Cable

One Aluminum Conductor/105°C Rating  
100% and 133% Insulation Level  
For Cable Tray Use-Sunlight Resistant



- A Conductor-Stranded Aluminum
- B Strand Screen-Extruded Semiconducting EPR
- C Insulation-Okoguard EPR
- D Insulation Screen-Extruded Semiconducting EPR
- E Shield-Copper Tape
- F Jacket-Okoseal

## Okoguard®-Okoseal® Type MV-105

### 35kV Shielded Power Cable

One Aluminum Conductor/105°C Rating  
100% and 133% Insulation Level  
For Cable Tray Use-Sunlight Resistant

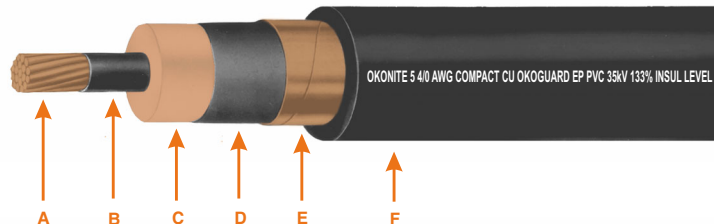


- A Conductor-Stranded Aluminum
- B Strand Screen-Extruded Semiconducting EPR
- C Insulation-Okoguard EPR
- D Insulation Screen-Extruded Semiconducting EPR
- E Shield-Copper Tape
- F Jacket-Okoseal

## Okoguard®-Okoseal® Type MV-105

### 35kV Shielded Power Cable

One Okopact (Compact Stranded) Copper Conductor/105°C Rating 100% and 133% Insulation Level  
For Cable Tray Use-Sunlight Resistant



- A Uncoated, Okopact (Compact Stranded) Copper Conductor
- B Strand Screen-Extruded Semiconducting EPR
- C Insulation-Okoguard EPR
- D Insulation Screen-Extruded Semiconducting EPR
- E Shield- Copper Tape

## Okoguard-Okolon® TS-CPE Type RHH

### or RHW-2 or USE-2\*\*, VW-1, FT-4, CSA RW-90

600V Power and Control  
Copper Conductor/90°C Wet or Dry  
For Cable Tray Use-Sunlight Resistant-For Direct Burial

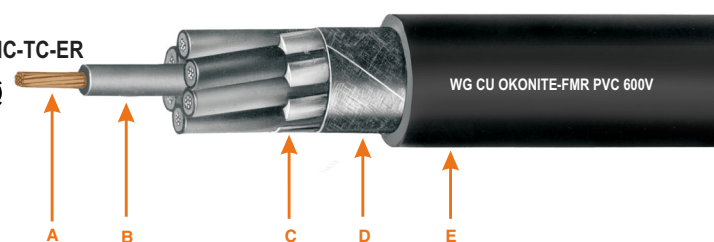


- A Uncoated, Copper Conductor
- B Composite Okoguard/Okolon TS-CPE Insulation

## Okonite-FMR® Okoseal®

### UL Type TC/TC-ER (XHH/XHHW-2) & cUL CIC-TC-ER

600V Power & Control Tray Cable  
Multiple Copper Conductors With or Without Grounding Conductor/90°C Wet or Dry  
600/1000V Marine Shipboard Cable  
For Cable Tray Use - Sunlight Resistant  
- For Direct Burial

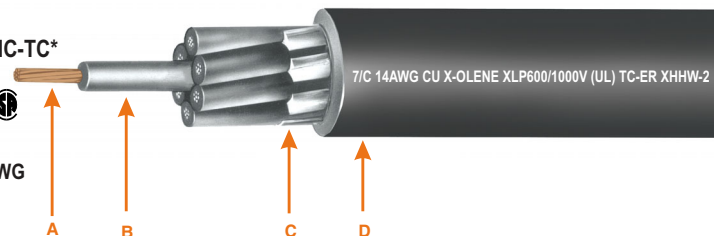


- A Stranded Copper Conductors
- B Okonite-FMR Insulation
- C Fillers, as necessary
- D Binder Tape
- E Okoseal Jacket — Black

## X-Olene®-Okoseal®

### UL Type TC/TC-ER (XHH/XHHW-2) & cUL CIC-TC\*

600/1000 Volt Power and Control Tray Cable  
Multiple Copper Conductors, 90°C Wet or Dry  
With or Without Grounding Conductor  
For Cable Tray Use - Sunlight Resistant  
- For Direct Burial \*cUL CIC-TC-ER sizes 1-4/0 AWG



- A Uncoated Copper Conductors
- B X-Olene Insulation
- C Fillers, as required
- D Black Okoseal Jacket



# Okonite Cables

## Facilities Overview

### District Offices, Manufacturing Plants & Service Centers

#### Manufacturing Plants



Orangeburg, SC - Compound Facility



Orangeburg, SC - Manufacturing Plant



Richmond, KY - Manufacturing Plant



Santa Maria, CA - Manufacturing Plant



Cumberland, RI - Manufacturing Plant



Paterson, NJ - Manufacturing Plant

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#### Service Centers



Houston, TX



Kansas City, KS



New Orleans, LA



Portland, OR



Pittsburgh, PA

#### Corporate HDQ



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