

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

Service Centers



Houston, TX



Kansas City, KS



New Orleans, LA



Portland, OR



Pittsburgh, PA

Corporate HDO



Ramsey, NJ

Atlanta District Office

(770) 928-9778
FAX: (770) 928-0913
E-Mail: atlanta@okonite.com

Baton Rouge District Office

(504) 467-1920
FAX: (504) 467-1926
E-Mail: batonrouge@okonite.com

Birmingham District Office

(205) 655-0390
FAX: (205) 655-0393
E-Mail: birmingham@okonite.com

Boston District Office

(603) 625-1900
(781) 749-3374
FAX: (603) 624-2252
E-Mail: boston@okonite.com

Charlotte District Office

(704) 542-1572
FAX: (704) 541-6183
E-Mail: charlotte@okonite.com

Chicago District Office

(630) 961-3100
FAX: (630) 961-3273
E-Mail: chicago@okonite.com

Cleveland District Office

(330) 926-9181
FAX: (330) 926-9183
E-Mail: cleveland@okonite.com

Dallas District Office

(940) 383-1967
FAX: (940) 383-8447
E-Mail: dallas@okonite.com

Denver District Office

(303) 772-3517
FAX: (303) 772-3513
E-Mail: denver@okonite.com

Houston District Office & Service Center

(281) 821-5500
FAX: (281) 821-7855
E-Mail: houston@okonite.com

Kansas City District Office & Service Center

(913) 422-6958
FAX: (913) 422-1647
E-Mail: kansascity@okonite.com

Los Angeles District Office

(562) 590-3070
Fax: (562) 590-3139
E-Mail: losangeles@okonite.com

Minneapolis District Office

(763) 432-3818
FAX: (763) 432-3811
E-Mail: minneapolis@okonite.com

New Orleans District Office and Service Center

(504) 467-1920
FAX: (504) 467-1926
E-Mail: neworleans@okonite.com

New York District Office

NJ (973) 742-8040
NY (212) 239-0660
FAX: (973) 742-2156
E-Mail: newyork@okonite.com

Philadelphia District Office

(856) 931-0595
(215) 604-1565
FAX: (215) 604-1564
E-Mail: philadelphia@okonite.com

Phoenix District Office

(480) 838-8596
FAX: (480) 897-8924
E-Mail: phoenix@okonite.com

Pittsburgh Service Center

(724) 899-4300
FAX: (724) 899-4320
E-Mail: pittsburgh@okonite.com

Portland District Office & Service Center

(503) 598-0598
FAX: (503) 620-7447
E-Mail: portland@okonite.com

Salt Lake District Office

(801) 262-1993
FAX: (801) 262-3167
E-Mail: saltlake@okonite.com

San Francisco District Office

(925) 830-0801
FAX: (925) 830-0954
E-Mail: sanfrancisco@okonite.com

St Louis District Office

(314) 770-9070
FAX: (314) 770-9140
E-Mail: stlouis@okonite.com

Tampa District Office

(813) 627-9400
FAX: (813) 246-4705
E-Mail: tampa@okonite.com

Washington District Office

(703) 904-9494
FAX: (215) 604-1564
E-Mail: washington@okonite.com

International Sales

(281) 821-5500
FAX: (281) 821-7855
E-Mail: houston@okonite.com

OKONITE

OKOTHERM

FIRE RESISTANT CABLE FOR POWER, CONTROL & INSTRUMENTATION APPLICATIONS



CERTIFIED UP TO 1000°C/2000°F FOR 3 HOURS PER IEC 60331



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Okonite 02/2018



Setting the Standard in Quality Since 1878

ENGINEERING NOTES

Okotherm CIC 600 volt power, control, and instrumentation cables are used in systems where, in the event of a fire, circuit integrity is required for a period of time in order to maintain or safely shut down the process. Fire resistance is determined by compliance to the IEC 60331-21 circuit integrity fire test. Depending upon the cable design, Okotherm CIC cables are capable of maintaining circuit integrity based on qualification to the IEC standard, parts 11 and 21, for temperatures and times up to and including 2000°F for three hours. When exposed to a fire, the Okotherm CIC insulation becomes an electrically insulating ceramic-like ash that is capable of maintaining a 600 volt phase to phase operating voltage.

Okotherm CIC 600 volt cables are defined as "fire resistant" by having passed the conditions stated in IEC 60331-21 which include the following:

- Test voltage is maintained throughout the test
- No failure of any of the 2A fuses
- No evidence of dielectric breakdown
- No conductor rupture

For confined area applications, Okotherm CIC cables are available with a low smoke, zero halogen jacket to ensure product safety.



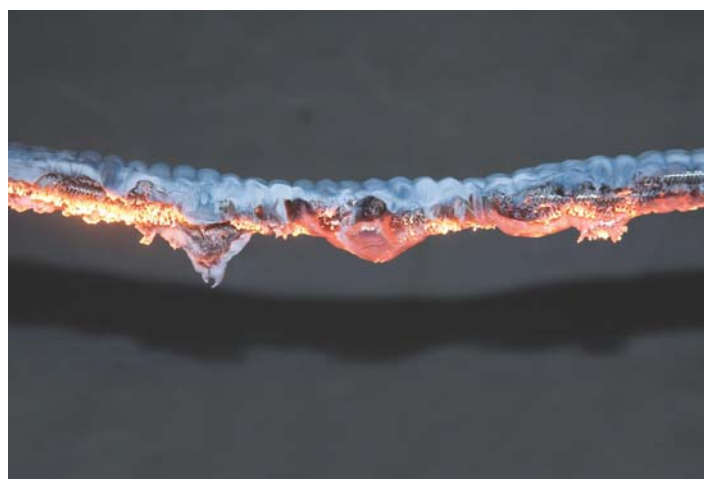
Cable setup prior to flame test.



Energized cable undergoing flame test.



Measuring temperature exceeding 2000°F.



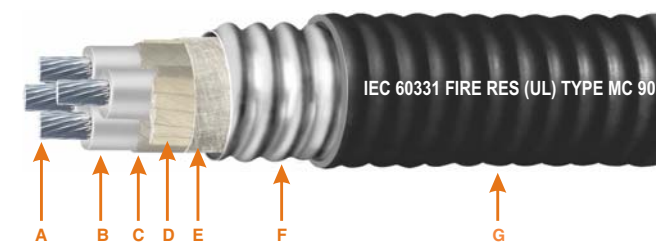
Close-up of burning cable.

MANUFACTURED OKOTHERM CABLES

POWER & CONTROL

Okotherm® CIC Fire Resistant Cable ^{UL}

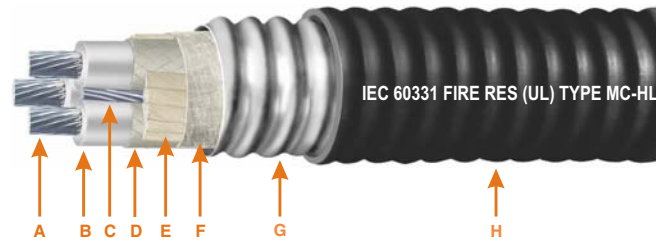
600V Control Cable—Type MC C-L-X, Aluminum Sheath
Multiple Nickel Coated Copper Conductors
90°C Wet or Dry Rating
For Cable Tray Use - Sunlight Resistant - For Direct Burial



- A Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Fiberglass Braid - Coded per ICEA
- D Glass Fillers
- E Cable Tape
- F Impervious, Continuous, Corrugated, Aluminum C-L-X Sheath
- G Black Okoseal (PVC) Jacket

Okotherm® CIC Fire Resistant Cable ^{UL}

600V Power Cable—Type MC-HL C-L-X, Aluminum Sheath
3 Tin or Nickel Coated Copper Conductors
90°C Wet or Dry Rating
For Cable Tray Use - Sunlight Resistant - For Direct Burial



- A Tin or Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Coated Copper Grounding Conductor
- D Fiberglass Braid - Coded per ICEA
- E Glass Fillers
- F Cable Tape
- G Impervious, Continuous, Corrugated, Aluminum C-L-X Sheath
- H Black Okoseal (PVC) Jacket

Okotherm® CIC Fire Resistant Cable ^{UL}

600V Control Cable—Type MC-HL C-L-X, Aluminum Sheath
Multiple Nickel Coated Copper Conductors,
90°C Wet or Dry Rating
For Cable Tray Use - Sunlight Resistant - For Direct Burial



- A Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Nickel Coated Ground Conductor
- D Fiberglass Braid - Coded per ICEA
- E Glass Fillers
- F Cable Tape
- G Impervious, Continuous, Corrugated, Aluminum C-L-X Sheath
- H Black Okoseal (PVC) Jacket

Okotherm® CIC Fire Resistant Cable ^{UL}

600V Power & Control Tray Cable - Type TC-ER Cable
Multiple Tin or Nickel Coated Copper Conductors
90°C Dry Rating
Sunlight Resistant

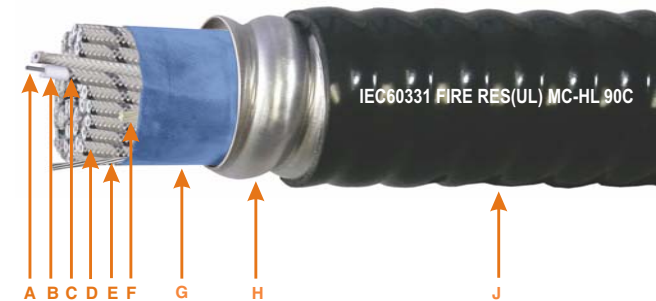


- A Tin or Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Coated Copper Grounding Conductor
- D Fiberglass Braid - Coded per ICEA
- E Glass Fillers
- F Cable Tape
- G Black Okoclear TP (TPPO) Jacket

INSTRUMENTATION

Okotherm® CIC P-OS Fire Resistant Cable ^{UL}

600V Instrumentation Cable—Type MC-HL C-L-X, Aluminum Sheath
Single & Multiple Pair or Triad - Tin or Nickel Coated Copper Conductors, 90°C Wet or Dry Rating
For Cable Tray Use Sunlight Resistant, For Direct Burial



- A Tin or Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Fiberglass Braid - Coded per ICEA
- D Twisted Pairs/Triads
- E Tin or Nickel Coated Copper Drain Wire
- F Glass Fillers, as needed
- G Aluminum - Mylar Shield Tape
- H Impervious, Continuous, Corrugated, Aluminum C-L-X Sheath
- J Black Okoseal (PVC) Jacket

Okotherm® CIC SP-OS Fire Resistant Cable ^{UL}

600V Instrumentation Cable—Type MC-HL C-L-X, Aluminum Sheath
Shielded Multiple Pair or Triad
Tin or Nickel Coated Copper Conductors
90°C Wet or Dry Rating—For Cable Tray Use,
For Cable Tray Use Sunlight Resistant, For Direct Burial



- A Tin or Nickel Coated Copper Conductors
- B Okotherm (Silicone) Thermoset Insulation
- C Fiberglass Braid - Coded per ICEA
- D Twisted, Shielded Pairs/Triads
- E Tin or Nickel Coated Copper Drain Wire
- F Glass Fillers, as needed
- G Aluminum - Mylar Shield Tape
- H Impervious, Continuous, Corrugated, Aluminum C-L-X Sheath
- J Black Okoseal (PVC) Jacket