

Encore Wire Corporation's **Type AC** (**Armored Clad**) aluminum and steel interlocked metal clad 600-volt cable is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Description: Type AC Cable - UL Listed E306553

**Specifications:** American Society for Testing & Materials ASTM B-3,

B-8, & B-787

Underwriters Laboratories UL-4, UL-83, UL-1581

American National Standards Institute Federal Specification A-A59544 NFPA 70: National Electrical Code

NEC Section 300.22; Article 300; Article 320; Article 392 UL Listed for 1, 2, and 3 Hour Through-Penetration Firestop

Systems

**RoHS Compliant** 

ARRA 2009; Section 1605 Buy American Compliant

I certify that the above listed material complies with requirements including applicable standards set forth in this certification. If you have any question or comments, please contact me at (800) 962-9473, Ext.637.

Sincerely,

Paul W. Abernathy, CMECP.

Manager of Codes & Standards

Manager of Codes & Standards

**Encore Wire Corporation** 

Research and Development Center

1324 Millwood Rd.

McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's **Type AC-HCF (Armor-Clad Health Care Facilities)** aluminum and steel interlocked metal clad 600-volt cable is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Description: Type AC-HCF Cable - UL Listed E306553

**Specifications:** American Society for Testing & Materials ASTM B-3,

B-8, & B-787

Underwriters Laboratories UL-4, UL-83, UL-1581

American National Standards Institute Federal Specification A-A59544 NFPA 70: National Electrical Code

NEC Section 300.22; Article 300; Article 320; Article 392 UL Listed for 1, 2, and 3 Hour Through-Penetration Firestop

Systems

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Encore Wire Corporation's **Soft Drawn Bare Annealed Copper** products are produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description:** Soft Drawn Annealed Bare Copper

**Specifications:** American Society for Testing & Materials - ASTM B-3,

B-8, B-787

**ASTM Class B Stranding** 

**RoHS Compliant** 

ARRA 2009; Section 1605 Buy American Compliant

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Manager of Codes & Standards

Encore Wire Corporation

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McKinney, TX 75069

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Encore Wire Corporation's **Type SEU** / **SER Copper insulated 600-volt Cable** is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Type: <u>TYPE SEU / SER Copper Conductor</u>;

UL Listed E174428

Specifications: American Society for Testing & Materials ASTM B3, B8, B787

Underwriters Laboratories Standard UL-44 Underwriters Laboratories Standard UL-83 Underwriters Laboratories Standard UL-854 Underwriters Laboratories Standard UL-1581 Underwriters Laboratories Standard UL-2556

NEMA RV4

American National Standards Institute Federal Specification A-A 59544

NFPA 70 National Electrical Code (NEC) Articles 338 & 230

ARRA 2009; Section 1605 Buy American Compliant

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Respectfully yours,

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Encore Wire Corporation's **Type MC** (**Metal Clad**) aluminum and steel interlocked metal clad 600-volt cable is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description: Type MC Cable - UL Listed E301130** 

Specifications: American Society for Testing & Materials ASTM B-3, B-8 &

B-787

Underwriters Laboratories UL-1569, UL-83, UL-44, UL-1581,

UL-1685, UL-2556

American National Standards Institute Federal Specification A-A59544

IEEE 1202 Flame Test (when used without PVC outer jacket).

NEMA RV 1-2004, Revision 1

NFPA 70: National Electrical Code Article 330

UL Listed for Use in 1, 2, and 3 Hour Through-Penetration

Firestop Systems RoHS Compliant

ARRA 2009; Section 1605 Buy American Compliant

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's **Type MC HCF-SG (Metal Clad Health Care Facilities-SmartGround)** aluminum and steel interlocked metal clad 600-volt cable is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Description: Type MC HCF-SG Cable - UL Listed E301130

**Specifications:** American Society for testing & Materials ASTM B-3 & B-787

Underwriters Laboratories UL-1569, UL-83, UL-44, UL-1063,

UL-1685, UL-1581, UL-2556

American National Standards Institute Federal Specification A-A59544

IEEE 1202 Flame Test (when used without PVC outer jacket)

NEMA RV 1-2004, Revision 1

NFPA 70: National Electrical Code Article 330

UL Listed for Use in 1, 2, and 3 Hour Through-Penetration

Firestop Systems RoHS Compliant

ARRA 2009; Section 1605 Buy American Compliant

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Encore Wire Corporation's **Type MTW/AWM/TEW** insulated 600-volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description:** MTW / AWM / TEW Style Cable – UL Listed E156879;

E156878

**Specifications:** American Society for Testing & Materials - ASTM B-3,

B-8, B-787

Underwriters Laboratories UL-83, UL-758, UL-1063,

UL-1581, UL-2556

NEMA WC70/ICEA S-95-658 Canadian Standards C-UL

American National Standards Institute Federal Specification A-A-59544

NFPA 70 (NEC)

NFPA 79 AWM 600V 105C (75C in oil)

AWM Spec 1316, 1317, 1318, 1319, 1320, 1321 New York State DOS-16120-87-1222-1048

**RoHS Compliant** 

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Encore Wire Corporation's type **NM-B** / **Non-Metallic** insulated 600 volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

Product Description: NM-B / Non-Metallic Building Wire – UL Listed E123775

Specifications: American Society for testing & Materials ASTM B-3, B-8

Underwriters Laboratories UL-83, UL-719, UL-1581, UL-2556

NEMA WC70/ICEA S-95-658 Federal Specification A-A-59544

NFPA 70: National Electrical Code 2020 New York State DOS-16120-87-1222-1048

**RoHS Compliant** 

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Encore Wire Corporation's **Type Photovoltaic** insulated 600-volt and 1000/2000-volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Type: Type Photovoltaic 600V and 1000/2000V Conductors - UL Listed

E326525

Specifications: American Society for Testing & Materials ASTM B-3, B8, B787

Underwriters Laboratories Standard UL-44 Underwriters Laboratories Standard UL-854 Underwriters Laboratories Standard UL-4703 Underwriters Laboratories Standard UL-1581 90C Wet/Dry; VW-1; Direct Burial Rated

NEMA WC-70/ICEA S-95-658

American National Standards Institute Federal Specification A-A 59544 NFPA 70: National Electrical Code

ICEA T-29-520 (210,000 Btu/hr.) Flame Test

**RoHS Compliant** 

ARRA 2009; Section 1605 Buy American Compliant

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Encore Wire Corporation's **Type TC Power and Control 600-volt Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description: Type TC Power and Control Cable - UL Listed E179429** 

**Specifications:** American Society for Testing & Materials ASTM B-3, B-8 & B-787

Underwriters Laboratories UL-1277, UL-44, UL-83, UL-1581,

UL-1685, UL-2556

IEEE 1202 (70,000 Btu/hr.) Flame Test

ICEA T-29-520 (210,000 Btu/hr.) Flame Test

American National Standards Institute

NEMA WC57/ICEA S-73-532 NEMA WC70/ICEA S-95-658 NFPA 70 (NEC) Article 336

**RoHS Compliant** 

ARRA 2009; Section 1605 Buy American Compliant

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Encore Wire Corporation's **Type TC Control** / **Instrumentation-Shielded 600-volt Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Description: Type TC Control or Instrumentation-Shielded Cable -

**UL Listed E179429** 

**Specifications:** American Society for Testing & Materials ASTM B-3, B-8 & B-787

Underwriters Laboratories UL-62, UL-83, UL-1277, UL-1581,

UL-1685, UL-2556 IEEE 1202 Flame Test

ICEA T-29-520 (210,000 Btu/hr) Flame Test

American National Standards Institute

NEMA WC57/ICEA S-73-532 NEMA WC70/ICEA S-95-658

NFPA 70 (NEC) Article 336, 392, 725, & 727

**RoHS Compliant** 

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Encore Wire Corporation's type **TFN** or **TFFN** insulated 600-volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description: Type TFN or TFFN Wire – UL Listed E156878** 

**Specifications:** American Society for Testing & Materials ASTM B-3, B-8, B-787

Underwriters Laboratories UL-66, UL-83, UL-758, UL-1063,

UL-1581, UL-2556

NEMA WC70/ICEA S-95-658

American National Standards Institute NFPA 70: National Electrical Code

NFPA 79 AWM 600V 105°C (75°C in oil)

**RoHS Compliant** 

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Encore Wire Corporation's type **THHN**, **THWN-2** insulated 600 volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

Products Description: Type THHN/THWN-2 – UL Listed E123774

Specifications: American Society for Testing & Materials ASTM B-3, B-8, B-787

Underwriters Laboratories UL-83, UL-1581, UL-1063 C-UL

UL 1685, UL-2556

FT4/IEEE 1202 (70,000 Btu/hr.) Flame Test (1/0 AWG and larger)

**NEMA WC70/ICEA S-95-658** 

ICEA T-29-520 (210,000 Btu/hr.) Flame Test Canadian Standards C-UL C22.2 No. 75 American National Standards Institute Federal Specification A-A-59544

NFPA 70: National Electrical Code 2020 NFPA 79 AWM 600V 105C (75C in oil)

AWM Spec 1316, 1317, 1318, 1319, 1320, 1321 New York State DOS-16120-87-1222-1048

**RoHS Compliant** 

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **THW-2** insulated 600-volt building wire is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Products Description: Type THW-2 Wire – UL Listed E123774** 

**Specifications:** American Society for Testing & Materials Class B-3, B-8, B-787

Underwriters Laboratories UL-83, UL-1581, C-UL, UL-2556

American National Standards Institute Federal Specification A-A-59544

NFPA 70 (NEC) RoHS Compliant

ARRA 2009; Section 1605 Buy American Compliant

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **UF-B** insulated 600-volt building wire is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description: UF-B Style Cable – UL Listed E123775** 

**Specifications:** American Society for Testing & Materials - ASTM B-3, B-8

Underwriters Laboratories UL-83, UL-493, UL-1581, UL-2556

American National Standards Institute Federal Specification A-A-59544 NFPA 70: National Electrical Code

NEC Article 340 [(Used as Type NM-B per 340.10(4)]

**RoHS Compliant** 

ARRA 2009 Buy American Compliant

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's **Type USE-2/RHH/RHW-2** insulated 600-volt building wire is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Type: Type USE-2/RHH/RHW-2 Copper Conductors - UL Listed

E177544; E174428

Specifications: American Society for Testing & Materials ASTM B-3, B-8, B-787

Underwriters Laboratories Standard UL-44 Underwriters Laboratories Standard UL-854 Underwriters Laboratories Standard UL-1581 Underwriters Laboratories Standard UL-2556

UL 1685 Cable Tray Flame Certified (1/0 AWG and larger)

ICEA T-29-520 (210,000 btu/hr) Flame Compliant (RHH/RHW-2)

NEMA WC-70/ICEA S-95-658

American National Standards Institute Federal Specification A-A 59544 NFPA 70: National Electrical Code

ARRA 2009; Section 1605 Buy American Compliant

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Sincerely,

Paul W. Abernathy, CMECP Manager of Codes & Standards

**Encore Wire Corporation** 

Research and Development Center

1324 Millwood Rd. McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **XHHW-2** insulated 1000-volt building wire is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

**Products Description:** XHHW-2 Conductors – UL Listed E177544

**Specifications:** ASTM Class – B-3, B-8, B-787

Underwriters Laboratories Standard UL-44, UL-1581,

UL- 2556

Canadian C-UL RW90 Listed NEMA WC-70/ICEA S-95-658

UL 1685 Cable Tray Flame Test (1/0 AWG and larger) \*

ICEA T-29-520 (210,000 Btu/hr.) Flame Test \*

American National Standards Institute Federal Specification A-A 59544 NFPA 70: Nation Electrical Code 2020

**RoHS Compliant** 

ARRA 2009 Section 1605; Buy American Compliant

\*Optional

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Sincerely,

Paul W. Abernathy, CMECP Manager of Codes & Standards

Encore Wire Corporation

Research and Development Center

1324 Millwood Rd. McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **Type Photovoltaic Aluminum Conductor** insulated 600-volt and 1000/2000-volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

Our Aluminum conductors are made from the **Aluminum Alloy 8000 series**. The **AA-8000 series** (Aluminum Alloy) provides a wiring conductor that has the connectivity and reliability of the latest Aluminum technology. The **AA-8000** series also eliminates the need for anti-oxidants for the wire or the lugs/connectors.

Product Description: Type Photovoltaic Aluminum Conductor

600V and 1000/2000V Conductors - UL Listed E326525

**Specifications:** 8000 Series Aluminum Alloy - ASTM B800; B801; B836

90C Wet/Dry; VW-1\*; Direct Burial Rated

Underwriters Laboratories Standard UL-44, UL-854, UL-1581,

UL-1685\*, UL-2556, UL-4703 IEEE-1202 (FT-4) Flame Test Rated\* NEMA WC-70/ICEA S-95-658 American National Standards Institute Federal Specification A-A 59544

Federal Specification A-A 59544 NFPA 70: National Electrical Code

ICEA T-29-520 (210,000 Btu/hr.) Flame Test\*

**RoHS Compliant** 

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\*Optional

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Respectfully yours,

Paul W. Abernathy, CMECP.

Manager of Codes & Standards

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McKinney, TX 75069

800-962-9473 Ext 637



Encore Wire Corporation's **Type SEU / SER Aluminum insulated 600-volt Cable** is produced in the United States of America using accepted practices and quality assurance procedures to comply with specifications of regulatory agencies.

Products Type: <u>TYPE SEU / SER Aluminum Conductor</u>;

UL Listed E174428

Specifications: American Society for Testing & Materials ASTM B800, B801

Underwriters Laboratories Standard UL-44 Underwriters Laboratories Standard UL-83 Underwriters Laboratories Standard UL-854 Underwriters Laboratories Standard UL-1581 Underwriters Laboratories Standard UL-2556

NEMA RV4

American National Standards Institute Federal Specification A-A 59544

NFPA 70 National Electrical Code (NEC) Articles 338 & 230

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Encore Wire Corporation's type **Aluminum 600 Volt Conductor Duplex Overhead Service Drop with Aluminum Conductor Steel Reinforced Supporting Neutral** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Compact Stranded Conductor EC-1350 Series

**Specifications:** ANSI/ICEA S-76-474-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230,

B231, B232, B233, B609, B836

ARRA 2009; Section 1605 Buy American Compliant

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800-962-9473 Ext. 637



Encore Wire Corporation's type **Aluminum Conductor Single-Rated Duplex 600 Volt Secondary Underground Utility Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Type USE-2 Conductors – UL Listed E174428

**Specifications:** ANSI/ICEA S-105-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230, B231, B836 Underwriters Laboratories Standard UL-44, UL-854, UL-1581, UL-2556

NEMA WC-70/ICEA S-95-658 Federal Specification A-A 59544

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **Aluminum 600 Volt Conductor Quadruplex Overhead Service Drop with Aluminum Conductor Steel Reinforced Supporting Neutral** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Compact Stranded Conductor EC-1350 Series

**Specifications:** ANSI/ICEA S-76-474-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230,

B231, B232, B233, B609, B836

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Encore Wire Corporation's type **Aluminum Conductor Single-Rated Quadruplex 600 Volt Secondary Underground Utility Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Type USE-2 Conductors – UL Listed E174428

**Specifications:** ANSI/ICEA S-105-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230, B231, B836 Underwriters Laboratories Standard UL-44, UL-854, UL-1581, UL-2556

NEMA WC-70/ICEA S-95-658 Federal Specification A-A 59544

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Encore Wire Corporation's type **Aluminum Conductor Single-Rated Single Conduct 600 Volt Secondary Underground Utility Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Type USE-2 Conductors – UL Listed E174428

**Specifications:** ANSI/ICEA S-105-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230,

B231, B836

Underwriters Laboratories Standard UL-44, UL-854,

UL-1581, UL-2556

NEMA WC-70/ICEA S-95-658) Federal Specification A-A 59544

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McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **Aluminum 600 Volt Conductor Triplex Overhead Service Drop with Aluminum Conductor Steel Reinforced Supporting Neutral** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Compact Stranded Conductor EC-1350 Series

**Specifications:** ANSI/ICEA S-76-474-692-2011

Aluminum Association Manual of Code Words ASTM B230, B231, B232, B233, B609, B836

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Encore Wire Corporation's type **Aluminum Conductor Single-Rated Triplex 600 Volt Secondary Underground Utility Cable** is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

**Product Description:** Type USE-2 Conductors – UL Listed E174428

**Specifications:** ANSI/ICEA S-105-692-2011

Aluminum Association Manual of Code Words

American Society for Testing & Materials ASTM B230,

B231, B836

Underwriters Laboratories Standard UL-44, UL-854,

UL-1581, UL-2556

NEMA WC-70/ICEA S-95-658) Federal Specification A-A 59544

ARRA 2009; Section 1605 Buy American Compliant

I certify that the above listed material complies with requirements including all applicable standards set forth in this certification. If you have any question or comments, please contact me at (800) 962-9473, Ext.637.

Respectfully yours,

Paul W. Abernathy, CMECP.

Manager of Codes & Standards

Encore Wire Corporation

Research and Development Center

1324 Millwood Rd.

McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **THHN/THWN-2 Aluminum Conductor** insulated 600 volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

Our Aluminum conductors are made from the **Aluminum Alloy 8000 series**. The **AA-8000 series** (Aluminum Alloy) provides a wiring conductor that has the connectivity and reliability of the latest Aluminum technology. The **AA-8000** series also eliminates the need for anti-oxidants for the wire or the lugs/connectors.

Product Description: THHN/THWN-2 Aluminum Conductor – UL Listed E123774

**Specifications:** ASTM B800; B801; B836

Underwriters Laboratories UL-83, UL-1581, C-UL, UL-1685, UL-2556

IEEE 1202 or FT-4 (70,000 Btu/hr.) Vertical Tray Flame Test

NEMA WC70 / ICEA S-95-658

ICEA T-29-520 (210,000 Btu/hr.) Flame Test

Canadian UL C (UL) for CSA C22.2 No. 75 T-90 Nylon

American National Standards Institute Federal Specification A-A-59544 NFPA 70: National Electrical Code NFPA 79 AWM 600V 105C (75C in oil)

AWM Spec 1316, 1317, 1318, 1319, 1320, 1321 New York State DOS-16120-87-1222-1048

**RoHS Compliant** 

ARRA 2009 Buy American Compliant

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Respectfully yours,

Paul W. Abernathy, CMECP.

Manager of Codes & Standards

**Encore Wire Corporation** 

Research and Development Center

1324 Millwood Rd.

McKinney, TX 75069

800-962-9473 Ext. 637



Encore Wire Corporation's type **XHHW-2 Aluminum Conductor** insulated 1000 volt building wire is produced 100% in the United States of America using accepted practices and quality assurance procedures to comply with specifications and testing of regulatory agencies.

Our Aluminum conductors are made from the **Aluminum Alloy 8000 series**. The **AA-8000 series** (Aluminum Alloy) provides a wiring conductor that has the connectivity and reliability of the latest Aluminum technology. The **AA-8000** series also eliminates the need for anti-oxidants for the wire or the lugs/connectors.

Product Description: XHHW-2 Aluminum Conductor – UL Listed E177544

**Specifications:** 8000 Series Aluminum Alloy - ASTM B800; B801; B836

Underwriters Laboratories Standard UL-44, UL-1581,

UL-1685, UL-2556, Canadian C-UL RW90

NEMA WC-70/ICEA S-95-658

UL 1685 Cable Tray Flame (1/0 AWG and larger) ICEA T-29-520 (210,000 Btu/hr.) Flame Test\*

IEEE 1202 or FT-4 Flame Test\* American National Standards Institute Federal Specification A-A 59544 NFPA 70: Nation Electrical Code

**RoHS Compliant** 

ARRA 2009 Section 1605; Buy American Compliant

#### \*Optional

I certify that the above listed material complies with requirements including all applicable standards set forth in this certification. If you have any question or comments, please contact me at (800) 962-9473, Ext.610.

Respectfully yours,

Paul W. Abernathy, CMECP.

Manager of Codes & Standards

**Encore Wire Corporation** 

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800-962-9473 Ext. 637