



財團法人全國認證基金會  
Taiwan Accreditation Foundation

## Certification Accreditation

(Certificate No : L1305-220708)

This is to certify that

### **Evertop Wire Cable Corporation**

#### **Test Laboratory**

No.32, Lane 363, Sec. 2, Chung-Cheng Rd., Chung- List, Taoyuan City 320, Taiwan (R.O.C.)

**is accredited in respect of laboratory**

**Accreditation Criteria** : ISO/IEC 17025:2017 ; CNS 17025:2018

**Accreditation Number** : 1305

**Originally Accredited** : July 15, 2004

**Effective Period** : July 19, 2022 to July 18, 2025

**Accredited Scope** : Testing Field, see described in the Appendix



Scan to verify

*Ching-Chang Lien*

Ching-Chang Lien  
President, Taiwan Accreditation Foundation  
July 08, 2022

Accreditation Number : 1305

Laboratory Head : LIN, Yu-Bin

■ 18.05 Commodity

Low Smoke Halogen-Free Wire and Cable, Plastic for Wire and Cable

C128 Acidity

IEC 60754-2 (Test Apparatus Method 1)

BS EN 60754-2 (Test Apparatus Method 1)

pH: 1 to 7

Conductivity: (0.1 to 10)  $\mu\text{s}/\text{mm}$

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

C194 Specific Optical Density (Plastics Smoke Generated)

ASTM E662

NFPA 258 (2001)

Specific Optical Density: 40 to 500

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

C195 Halogen Acid Content

IEC 60754-1 (Test Apparatus Method 1)

BS EN 60754-1 (Test Apparatus Method 1)

(5 to 260) mg/g

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

■ 18.05 Commodity

Low Smoke Halogen-Free Wire and Cable

C196 Smoke Density (Cables Burning Test)

IEC 61034-1

IEC 61034-2

UITP/APTA Appendix E4

BS EN 61034-1

BS EN 61034-2

Absorbance: 0.01 to 5.0)

Transmission: (20 to 95) %

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey



18.05 Commodity

Low Smoke Halogen-Free Wire and Cable, Plastic for Wire and Cable

C999 Oxygen Index

ASTM D2863

Oxygen Index: 17.5 to 50

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

C999 Toxicity Index

NES 713 (1985)

Defence Standard 02- 713

Toxicity Index: 0.1 to 10

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

T999 Temperature Index

BS EN ISO 4589-3

NES 715

(125 to 400) °C

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

18.05 Commodity

Cross-linked polyethylene

insulated polyvinyl chloride jacketed cables

Grade Polyvinyl Chloride Insulated and Sheathed Cables

Polyvinyl chloride insulated wires

Polyvinyl chloride insulated Flexible Cords

Polyethylene (Cross-linked) polyethylene

insulated and polyvinyl chloride (polyethylene) sheathed fire-resistant cables

Sign Cables

Control Cables

Fire-Resistant Cable

Heat-Resistant Wires Cables

LSFH wires & cables

Rubber

E007 Voltage test

CNS 679

CNS 689 Sec. 8.1, 8.2

CNS 2655

CNS 3199

CNS 3301

CNS 4898

CNS 8379

CNS 11359

CNS 12726

CNS 12727

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TRA C021  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard  
TPC A003  
TPC A004  
TPC A006  
TPC A030  
TPC A037  
TPC A040  
TPC A045  
TPC CAB7  
IEC 60502-1 Sec. 15.3, 17.3  
ICEA S-95-658  
ICEA T-27-581  
ICEA S-73-532  
Single: (0.8 to 5.0) mm  
Stranding: (0.75 to 500) mm<sup>2</sup>

Approval Signatory: JUAN, Tien- Yu; TSENG, Hung-Chih; HSIAO, Cheng-Hui

18.05 Commodity

Wires, Cables

E007 Conductor resistance test

CNS 679

CNS 689

CNS 2655

CNS 3199

CNS 3301

CNS 4898

CNS 8379

CNS 11359

CNS 12726

CNS 12727

TRA C021

National Fire Agency Fire Resistant Cable Approval Standard

National Fire Agency Heat Resistant Wire Cable Approval Standard

TPC A003

TPC A004

TPC A006

TPC A030

TPC A037

TPC A040

TPC A045

TPC CAB7

IEC 60502-1

ICEA S-95-658

ICEA S-93-639

ICEA S-73-532

ICEA T-27-581

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Single:  
(0.8 to 5.0) mm  
Stranding:  
(0.75 to 500) mm<sup>2</sup>

Approval Signatory: JUAN, Tien- Yu; TSENG, Hung-Chih; HSIAO, Cheng-Hui

E007 Insulation Resistance Test

CNS 679  
CNS 689  
CNS 2655  
CNS 3199  
CNS 3301  
CNS 4898  
CNS 8379  
CNS 11359  
CNS 12726  
CNS 12727  
TRA C021

National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard

TPC A003  
TPC A004  
TPC A006  
TPC A030  
TPC A037  
TPC A040  
TPC A045  
TPC CAB7

IEC 60502-1  
ICEA S-95-658  
ICEA S-93-639  
ICEA S-73-532  
ICEA T-27-581  
ICEA S-66-524

Single: (0.8 to 5.0) mm  
Stranding: (0.75 to 500) mm<sup>2</sup>

Approval Signatory: JUAN, Tien- Yu; TSENG, Hung-Chih; HSIAO, Cheng-Hui

M002 Tensile Strength and Elongation

CNS 679  
CNS 687  
CNS 689  
CNS 2655  
CNS 3301  
CNS 4898  
CNS 5747

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The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



CNS 8379  
CNS 8935  
CNS 11359  
CNS 12727  
IEC 60502-1  
IEC 60502-2  
IEC 60811-1-1 (2001)  
IEC 60811-501  
ICEA S-73-532  
ICEA S-93-639  
ICEA S-95-658  
ICEA T-27-581  
BS EN 50618  
BS EN 60811-501  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard  
(49 to 4900) N  
(5 to 500) kgf

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

M017 Construction Inspection

CNS 668  
CNS 670  
CNS 672  
CNS 679  
CNS 687  
CNS 689  
CNS 1364  
CNS 1365  
CNS 1370  
CNS 2655  
CNS 3199  
CNS 3301  
CNS 4898  
CNS 5745  
CNS 5747  
CNS 8379  
CNS 8935  
CNS 11359  
CNS 12726  
CNS 12727  
TRA Standard C021  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard  
TPC A001  
TPC A003  
TPC A004  
TPC A006

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TPC A009  
TPC A037  
TPC A040  
TPC A043  
TPC A045  
ASTM B33  
IEC 60502-1  
IEC 60502-2  
IEC 60811-1-1 (2001)  
IEC 60811-100  
IEC 60811-201  
IEC 60811-202  
IEC 60811-203  
BS EN 50618  
BS EN 60811-100  
BS EN 60811-201  
BS EN 60811-202  
BS EN 60811-203  
ICEA S-95-658  
ICEA S-93-639  
ICEA S-73-532  
ICEA S-61-402  
ICEA T-27-581

Single: (0.8 to 5.0) mm  
Strandong: (0.75 to 500) mm<sup>2</sup>

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui

T001 Resistance to Fire with Mechanical Shock  
BS 6387

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

T001 Resistance to Fire with Water  
BS 6387

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

T001 Fire Resistant Test  
CNS 11359  
National Fire Agency Fire Resistant Cable Approval Standard

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui



T001 Tests on Electric Cable under Fire Conditions

IEC 60332-1-1  
IEC 60332-1-2  
IEC 60332-1-3  
IEC 60332-1-1  
IEC 60332-1-2  
IEC 60332-1-3  
BS EN 60332-1-1  
BS EN 60332-1-2  
BS EN 60332-1-3

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

T001 Vertical Tray Flame Test on Complete Cable

IEEE 383 (1974) , IEEE 383 (UL-VW-1 Not Applicable)  
IEEE 1202  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui

T002 Tests for Electric Cables under Fire Conditions

CNS 11359  
IEC 60331-11  
IEC 60331-21  
BS 6387  
National Fire Agency Fire Resistant Cable Approval Standard

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui

T003 Heat Resistant Test

National Fire Agency Heat  
Resistant Wire Cable Approval Standard

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui

18.05 Commodity

Wires, Cables, Plastic and Rubber for Wires and Cables

M021 Aging Test

CNS 679  
CNS 687  
CNS 689  
CNS 2655  
CNS 3301  
CNS 4898

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CNS 5747  
CNS 8379  
CNS 8935  
CNS 11359  
CNS 12727  
IEC 60502-1  
IEC 60502-2  
IEC 60811-1-2 (2000)  
IEC 60811-401  
ICEA S-73-532  
ICEA S-93-639  
ICEA T-27-581  
IECA S-95-658  
BS EN 60811-401  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard  
(50 to 300) °C

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

M033 Oil Immersion Test

CNS 679  
CNS 687  
CNS 689  
CNS 2655  
CNS 3301  
CNS 4898  
CNS 5747  
CNS 8379  
CNS 8935  
CNS 11359  
CNS 12727  
National Fire Agency Fire Resistant Cable Approval Standard  
National Fire Agency Heat Resistant Wire Cable Approval Standard  
IEC 60502-1  
IEC 60502-2  
IEC 60811-2-1 (2001)  
IEC 60811-404  
ICEA S-95-658  
ICEA S-93-639  
ICEA S-73-532  
ICEA T-27-581  
BS EN 60811-404  
CNS: Percentage of Unaged Value of Tensile Strength and Elongation  
IEC: Measurement Variation of Tensile Strength and Elongation

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey



M090 Hot Set  
CNS 2655  
TPC A009  
TPC A043  
TPC A045  
TPC Y242  
IEC 60811-2-1 (2001)  
IEC 60811-507  
BS EN 50618  
BS EN 60811-507  
IEC 60502-1  
IEC 60502-2  
ICEA T-28-562  
ICEA S-95-658  
ICEA S-93-639  
ICEA S-73-532  
ICEA S-66-524  
ICEA T-27-581  
(50 to 300) °C

Approval Signatory: TSENG, Hung-Chih; HUANG, Hsiu-Feng; HWANG, Yea-Huey

18.05 Commodity

Wires, Cables, Optical Fiber Cables

T001 Test for Vertical Flame Spread of Vertically-Mounted Bunched Wires or Cables

CNS 15130-3-10  
CNS 15130-3-21  
CNS 15130-3-22  
CNS 15130-3-23  
CNS 15130-3-24  
CNS 15130-3-25  
IEC 60332-3-10  
IEC 60332-3-21  
IEC 60332-3-22  
IEC 60332-3-23  
IEC 60332-3-24  
IEC 60332-3-25  
BS EN 60332-3-10  
BS EN 60332-3-21  
BS EN 60332-3-22  
BS EN 60332-3-23  
BS EN 60332-3-24  
BS EN 60332-3-25

Approval Signatory: TSENG, Hung-Chih; HWANG, Yea-Huey; HSIAO, Cheng-Hui

(Null below)

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