



해외인증서



대원전선주식회사
DAEWON CABLE CO., LTD.

● 인증내용 ●

[UL 인증 현황]

No.	인 증 품 목	Cable Type	File No.	비 고
1	APPLIANCE WIRING MATERIAL (AVLV2, AVLV8)	AWM	E331577	UL 758
2	DATA TRANSMISSION CABLE Performance (DVBI)	UTP CABLE CM,CMX or CMR(Cat3,5,5E) CM(Cat6)	E352903	UL 444
3	MEDIUM-VOLTAGE POWER CABLE (PITY)	MV-90 Cable, rated 5 to 35kV MV-105 Cable, rated 5 to 35kV	E301928	UL 1072
4	OPTICAL FIBER CABLE(QAYK)	OFNR, OFN	E336580	UL 1651
5	POWER AND CONTROL TRAY CABLE (QPOR)	TC CABLE TC-ER CABLE	E365103	UL 1277
6	POWER-LIMITED CIRCUIT CABLE (QPTZ)	CL3, PLTC	E332809	UL 13
7	POWER-LIMITED FIRE ALARM CABLE (HNIR)	FPLR, FPL	E464946	UL 1424
8	SERVICE-ENTRANCE CABLE (TYLZ)	600V USE-2	E240172	UL 854
9	THERMOPLASTIC-INSULATED WIRE (ZLGR)	TW, THW / THW-2 THWN / THHN THWN-2 / THHW	E88999	UL 83
10	THERMOSET-INSULATED WIRE(ZKST)	600V RHW-2, XHHW, XHHW-2, SIS	E306698	UL 44
11	WIRE, SPECIAL PURPOSE Cathodic protection cable (ZMHX)	HMWPE	E464809	UL 83
12	PHOTOVOLTAIC CABLE (ZKLA)	PV WIRE	E520830	UL 4703

[KEMA 인증 현황]

No.	인 증 품 목	비 고
1	35kV SINGLE CORE COPPER, XLPE INSULATED POWER CABLE (35kV CN/CV-AWAE-W) - IEC 60502-2	1C x 500mm ²
2	6.35/11kV CU/XLPE/PVC/LEAD/PVC/SWA/FR-PVC - IEC 60502-1	3C x 240mm ²
3	0.6/1kV CU/XLPE/PVC/LEAD/PVC/SWA/FR-PVC - IEC 60502-1	3C x 240mm ²
4	300/500V CU/PVC/ASV/LEAD/PVC/SWA/FR-PVC - BS 5308, BS 6746	7Pr x 1.0mm ²

[CTL 인증현황]

No.	인 증 명	품목수	취 득 내 용
1	15kV TR-XLPE 1/0AWG	1	Core Material Qualification Test as per ICEA S-94-649 & S-97-682 & CS8-13

CERTIFICATE OF COMPLIANCE

Certificate Number E331577
Report Reference E331577-19990817
Issue Date 2021-JULY-27

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of COMPONENT - APPLIANCE WIRING MATERIAL
See Addendum Page For Models

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 758, Appliance Wiring Material
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only
the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified
and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

원본대조필

B. Mahesh

Bruce Mahesh, Director North American Certification Program
UL LLC

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Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
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See Addendum Page For Models

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Standard(s) for Safety: UL 758, Appliance Wiring Material
Additional Information: See the UL Online Certifications Directory at
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CERTIFICATE OF COMPLIANCE

Certificate Number E331577
Report Reference E331577-20090911
Issue Date 2021-JULY-27

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of COMPONENT - APPLIANCE WIRING MATERIAL
See Addendum Page

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
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performance capabilities and are intended for installation in
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Standard(s) for Safety: UL 758, Appliance Wiring Material
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Certificate Number E331577
Report Reference E331577-20090911
Issue Date 2021-JULY-27

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92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

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See Addendum Page

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Standard(s) for Safety: UL 758, Appliance Wiring Material
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate Number E331577
Report Reference E331577-20130510
Issue Date 2021-JULY-27

Issued to: DAE WON CABLE CO LTD
 92 Hyeumdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of COMPONENT - APPLIANCE WIRING MATERIAL
 See Addendum Page

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

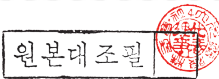
Standard(s) for Safety: UL 758 - Appliance Wiring Material

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



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CERTIFICATE OF COMPLIANCE

Certificate Number E331577
Report Reference E331577-20150930
Issue Date 2021-JULY-27

Issued to: DAE WON CABLE CO LTD
 92 Hyeumdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of COMPONENT - APPLIANCE WIRING MATERIAL
 See Addendum Page

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

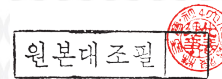
Standard(s) for Safety: UL 758 - Appliance Wiring Material

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



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Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number E352903
Report Reference E352903-20010521
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hyeumdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of LOCAL AREA NETWORK CABLE VERIFIED FOR TRANSMISSION PERFORMANCE IN ACCORDANCE WITH NATIONAL OR INTERNATIONAL SPECIFICATIONS
 Communications Cable, Type CM, CMX, or CMR also Verified to Categories 3, 5, and 5E

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

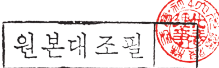
Standard(s) for Safety: Subject 444 - Data Transmission Cable Verified in Accordance with National and International Specifications

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



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CERTIFICATE OF COMPLIANCE

Certificate Number E301928
Report Reference E301928-20060614
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hyeumdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of MEDIUM-VOLTAGE CABLE
 Type MV-90 Cable, rated 5 to 35 kV

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

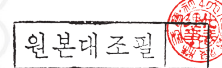
Standard(s) for Safety: Standard for Medium Voltage Power Cables (UL 1072)

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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CERTIFICATE OF COMPLIANCE

Certificate Number E301928
Report Reference E301928-20060613
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of MEDIUM-VOLTAGE CABLE
Type MV-105 Cable, rated 5 to 35 kV

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Standard for Medium Voltage Power Cables (UL 1072)
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Look for the UL Certification Mark on the product.

원본대조필


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CERTIFICATE OF COMPLIANCE

Certificate Number E336580
Report Reference E336580-20100503
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of OPTICAL FIBER CABLE
Type OFN and OFNR

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1651, Optical Fiber Cable
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L365103-11-13013102-2
Report Reference E365103-20131031
Date 30-Jul-2021

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon Yesan-gun,
Chungcheongnam-do
Republic of Korea 32401

This is to certify that representative samples of QPOR - Power and Control Tray Cable
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1277, 6th Ed., Issue Date: 2018-09-12, Revision Date: 2021-04-12

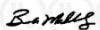
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Certificate of Compliance

Certificate Number: UL-US-2406640-0

Report Reference: E365103-20240219

Issue Date: 2024-02-20

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon Yesan-gun,
Chungcheongnam-do 32401
Republic of Korea

This certificate confirms that representative samples of:
QPOR - Power and Control Tray Cable

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

UL 1277, Edition 6, Issue Date 2018-09-12, Revision Date 2023-11-27

Additional Information: See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필


David Piecuch
UL Mark Certification Program Manager

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Form-ULID-013925-GGCa - ver 1.0

CERTIFICATE OF COMPLIANCE

Certificate Number E332809
Report Reference E332809-20100507
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of POWER-LIMITED CIRCUIT CABLE
Types CL3, PLTC (60°C - 105°C)

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Standard for Power Limited Circuit Cable, UL 13
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

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CERTIFICATE OF COMPLIANCE

Certificate Number E464946
Report Reference E464946-20180810
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of POWER-LIMITED FIRE ALARM CABLE
USL - Power Limited Fire Alarm Cables Types FPLR, FPL

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1424 - Power-Limited Fire-Alarm Circuits
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

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CERTIFICATE OF COMPLIANCE

Certificate Number E240172
Report Reference E240172-20040518
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of SERVICE-ENTRANCE CABLE
Type USE-2

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 854, Standard for Service-Entrance Cable
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate Number E88999
Report Reference E88999-19840703
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of THERMOPLASTIC-INSULATED WIRE
Thermoplastic Wires: Types TW and THW.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 83, "Thermoplastic-insulated Wires and Cables."
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
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Certificate Number E88999
Report Reference E88999-20070927
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOPLASTIC-INSULATED WIRE
 Type THW-2

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate Number E88999
Report Reference E88999-20061215
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOPLASTIC-INSULATED WIRE
 Type THWN

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

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Bruce Mahesholtz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E88999
Report Reference E88999-20061216
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOPLASTIC-INSULATED WIRE
 Type THHN

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필

Barry

Bruce Mahesholtz, Director North American Certification Program
UL LLC

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Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E88999
Report Reference E88999-20070928
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOPLASTIC-INSULATED WIRE
 Type THWN-2

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필

Barry

Bruce Mahesholtz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E88999
Report Reference E88999-20110527
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOPLASTIC-INSULATED WIRE
 Type THHW

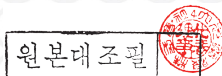
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Look for the UL Certification Mark on the product.



Barthel

Bruce Maheshwari, Director North American Certification Program
UL LLC

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Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E306698
Report Reference E306698-20060712
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOSET-INSULATED WIRE
 Type RHW-2, rated 600 V.

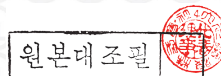
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Thermoset-Insulated Wires and Cables - UL 44
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Barthel

Bruce Maheshwari, Director North American Certification Program
UL LLC

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Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E306698
Report Reference E306698 -20150424
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOSET-INSULATED WIRE
 Type XHHW.

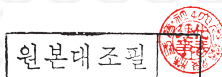
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Thermoset-Insulated Wires and Cables - UL 44
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Barthel

Bruce Maheshwari, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E306698
Report Reference E306698 -20150423
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
 92 Hoemdeongnyeong-gil Godeok-myeon
 Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that representative samples of THERMOSET-INSULATED WIRE
 Type XHHW-2

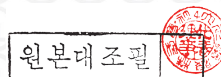
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Thermoset-Insulated Wires and Cables - UL 44
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Barthel

Bruce Maheshwari, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E306698
Report Reference E306698-20150425
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of THERMOSET-INSULATED WIRE
Type SIS.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Thermoset-Insulated Wires and Cables - UL 44
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필


Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/customer-service>

Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E464809
Report Reference E464809-20140205
Issue Date 2021-JULY-30

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This certificate confirms that
representative samples of WIRE, SPECIAL PURPOSE
Cathodic Protection Cable.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 83, Thermoplastic-Insulated Wires and Cables
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up
Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필


Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/customer-service>

Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E520830
Report Reference E520830-2022-09-30
Date 2022-October-11

Issued to: DAE WON CABLE CO LTD
92 Hoemdeongnyeong-gil Godeok-myeon
Yesan-gun Chungcheongnam-do 32401 KR

This is to certify that
representative samples of PHOTOVOLTAIC WIRE
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum Page


Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification
report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark.
Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance
provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's
Follow-Up Services.

Look for the UL Certification Mark on the product.

원본대조필


Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/customer-service>



01-1297

TYPE TEST CERTIFICATE OF COMPLETE TYPE TEST

OBJECT 35 kV, single core copper, XLPE insulated power cable
DESIGNATION 35kV CN/CV-AWAE-W, 1x500 mm²
Rated voltage U₀/U_m 20.2/35/36 kV
Rated frequency 50 Hz
MANUFACTURER DAEWON CABLE CO., LTD.
 138-77 Anyoung-ri - Taean-eup - Hwaseong-gun - Kungki-do - Korea
TESTED FOR DAEWON CABLE CO., LTD.
 138-77 Anyoung-ri - Taean-eup - Hwaseong-gun - Kungki-do - Korea
DATE OF TESTS 10 October until 21 November 2001
TESTED BY KEMA HIGH-VOLTAGE LABORATORY
 Utrechtseweg 310 - 6812 AR Arnhem - the Netherlands

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 60502-2 (1997) INCLUDING AMENDMENT 1 (1998)

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on page 1.

The Certificate applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the manufacturer.

This Certificate comprises 41 sheets in total.

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KEMA Nederland B.V.

S.A.M. Verhoeven

Arnhem, 10 January 2002

원본대조필



TEST REPORT

Report no. 70570101-HVL 05-1301
Client Daewon Cable Co. Ltd.
 Yesan-gun, Chungcheongnam-do, Korea
Reference -
Concerning test
Date 14 July until 8 September 2005
Place KEMA, Arnhem, the Netherlands
Object 0.6/1 kV cable
Type 3x240 mm² CU/XLPE/PVC/LEAD/PVC/SWA/FR-PVC
Manufacturer same as client

REQUIREMENTS

The requirements as specified in the standard IEC 60502-1 (2004).

TEST PROGRAMME

For the programme reference is made to page 2 and 3 of this report

SUMMARY AND CONCLUSION

The results obtained relate only to the work ordered and to the material tested. The tests were passed.

원본대조필

Author C.H. Beverwijk

KEMA Nederland B.V.

This report consists of:
 23 pages
 2 appendices

P.G.A. Bus
 KEMA T&D Testing Services
 Managing Director
 Arnhem, 13 October 2005

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 Utrechtseweg 310, 6812 AR Arnhem. Telephone +31 26 3 56 31 85. Telefax +31 26 4 43 38 43



TEST REPORT

Report no. 70570101-HVL 05-1302
Client Daewon Cable Co. Ltd.
 Yesan-gun, Chungcheongnam-do, Korea
Reference -
Concerning test
Date 14 July until 8 September 2005
Place KEMA, Arnhem, the Netherlands
Object 300/500 V cable
Type 7P x 1.0 mm²
 CU/PVC/AS/VL/LEAD/PVC/SWA/FR-PVC
Manufacturer same as client

REQUIREMENTS

The requirements as specified in the standard BS 5308 (1986), BS 6746 (1990) and clients spec. no. DWS-250409-3 code no. F3250BS, issued 14-04-2005, rev. 0.

TEST PROGRAMME

For the programme reference is made to page 2 and 3 of this report

SUMMARY AND CONCLUSION

The results obtained relate only to the work ordered and to the material tested. The tests were passed.

원본대조필

Author C.H. Beverwijk

KEMA Nederland B.V.

This report consists of:
 23 pages
 2 appendices

P.G.A. Bus
 KEMA T&D Testing Services
 Managing Director
 Arnhem, 13 October 2005

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 Utrechtseweg 310, 6812 AR Arnhem. Telephone +31 26 3 56 31 85. Telefax +31 26 4 43 38 43



01-1297

TYPE TEST CERTIFICATE OF COMPLETE TYPE TEST

OBJECT 35 kV, single core copper, XLPE insulated power cable
DESIGNATION 35kV CN/CV-AWAE-W, 1x500 mm²
Rated voltage U₀/U_m 20.2/35/36 kV
Rated frequency 50 Hz
MANUFACTURER DAEWON CABLE CO., LTD.
 138-77 Anyoung-ri - Taean-eup - Hwaseong-gun - Kungki-do - Korea
TESTED FOR DAEWON CABLE CO., LTD.
 138-77 Anyoung-ri - Taean-eup - Hwaseong-gun - Kungki-do - Korea
DATE OF TESTS 10 October until 21 November 2001
TESTED BY KEMA HIGH-VOLTAGE LABORATORY
 Utrechtseweg 310 - 6812 AR Arnhem - the Netherlands

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 60502-2 (1997) INCLUDING AMENDMENT 1 (1998)

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on page 1.

The Certificate applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the manufacturer.

This Certificate comprises 41 sheets in total.

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KEMA Nederland B.V.

S.A.M. Verhoeven

Arnhem, 10 January 2002

원본대조필

KEMA 원본대조필

05-1370

TYPE TEST CERTIFICATE OF COMPLETE TYPE TEST

OBJECT three core power cable

DESIGNATION 6,35/11(12) kV, 3x240 mm² Cu, XLPE

MANUFACTURER Daewon Cable Co., Ltd.
134-7 Ochu-ri, Godeok-myeon,
Yesan-gun, Chungcheongnam-do,
Korea

DATE OF TESTS 14 July up to and including 16 November 2005

TESTED BY KEMA HIGH-VOLTAGE LABORATORY,
Arnhem - the Netherlands

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 60502-2

This Type Test Certification has been issued by KEMA following exclusively the STL guides. The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on page 2. The Certificate applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the manufacturer.

This Certificate comprises 34 sheets in total.

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KEMA Nederland B.V.
P.O. Box
KEMA T&D Testing Services
Managing Director
Arnhem, 2 December 2005

CE

EC Declaration of Conformity
According to Low Voltage Directive 2006/95/EC

Applicant's Name : DAEWON CABLE Co., Ltd.
Applicant's Address : 134-7 Ochu-ri, Godeok-myeon Yesan-gun,
Chungcheongnam-do, Korea
Manufacturer Name: DAEWON CABLE Co., Ltd.
Manufacturer Address: 134-7 Ochu-ri, Godeok-myeon Yesan-gun,
Chungcheongnam-do, Korea

Declares that the product:
Product Name: PVC Insulated wire
Base Model : UL AWM ****
(Asterisk**** means 1007-1571)

To provide the presumption of conformity in accordance to Directive 2006/95/EC, the following harmonized standards and/or other normative documents as referenced within the following official journals are applied in full:
Applicable Regulation/Standards: EN 5501101 : 2011

We, DAEWON CABLE Co., Ltd., 134-7 Ochu-ri, Godeok-myeon Yesan-gun, Chungcheongnam-do, Korea, declares under our sole responsibility that the product(s) described in the table to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the Low Voltage Directive (2006/95/EC).

I, the undersigned, hereby declare that the equipment specified above conforms to the above Standard(s) as described in the attached test report.

Point of contact
Name: Tel: +82-41-339-3514 FAX: 82-41-339-3519
(Name, telephone and Fax)
Republic of KOREA 08 Jan 2016 **General Manager** Y. J. Cho
(Place, date of issue) (Title and signature)

원본대조필

CTL **CABLE TECHNOLOGY LABORATORIES**
625 Jersey Avenue, New Brunswick, NJ 08901, U.S.A.

CERTIFICATE OF COMPLIANCE

This is to certify that a 15 kV cable manufactured by **Daewon Cable Co., Ltd.**, Seoul, South Korea, in their Chungnam Plant with the following compounds:

Conductor shield	SJ-201TR by Se Ji Chemical (South Korea);
TR-XLPE insulation	TR-8142EC by Hanhwa Chemical (South Korea);
Insulation shield	SJ-501ESTR by Se Ji Chemical (South Korea),

tested by Cable Technology Laboratories (CTL Report 18-169 of 10/16/2018), meets the requirements of the Core Material Qualification Tests outlined in the AEIC CS8-13 and ICEA S-94-649-2013 Specifications.

In accordance with the Specifications, **Daewon Cable Co., Ltd.** is qualified to manufacture 5 kV through 46 kV cables using the named combination of materials.

Certificate Number: 18-11 **Issue Date: October 16, 2018**

Tested under supervision of:

Kevin Pimlott President
Vitaliy Yaroslavskiy VP Technology

TECHNOLOGY LABORATORIES
FOUNDED 1978
NEW BRUNSWICK, NJ
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