



# 해외인증서



**대원전선주식회사**  
DAEWON CABLE CO., LTD.

**[ UL 인증 현황 ]**

● 인증내용 ●

No.	인 증 품 목	Cable Type	File No.	비 고
1	THERMOPLASTIC- INSULATED (ZLGR)	TW, THW (75°C), THW-2	E88999	UL 83
		THWN (75°C), THWN-2		
		THHN (90°C), THHW		
2	COMMUNICATION CABLE (DVBI)	UTP CABLE CM or CMR 3(100pr), 5(25pr), 5E~6(4Pr)	E352903	UL 444
3	SERVICE ENTRANCE CABLE (TYLE)	USE-2	E240172	UL 854 UL 44
4	MEDIUM-VOLTAGE CABLE (PITY)	= MV-90 Cable, rated 5 to 35kV  = MV-105 Cable, rated 5 to 35kV	E301928	UL 1072
5	THERMOSET - INSULATED WIRE (ZKST)	RHW-2, XHHW, XHHW / SIS	E306698	UL 44 UL 854
6	APPLIANCE WIRING MATERIAL (AVLV2,AVLV8)	AWM (1007, 1015, 1061, 1569, 1589, 2095, 2464, 2919, 20276, 3321, 3343, 3398, 1185, 1283, 1284, 1533, 1571, 2405, 2463, 2468, 2547, 2569, 2725, 2789, 2835, 2969, 2970, 2990)	E331577	UL 758
7	OPTICAL FIBER CABLE (QAYK)	OFNR, OFN	E336580	UL 1651
8	POWER LIMITED CIRCUIT CABLE (QPTZ)	CL3, PLTC	E332809	UL 13
9	600V TC CABLE	TC Cable	E365103	UL 1277
10	Thermoplastic-Insulated Wires and Cables	HMWPE	E464809	UL 83
11	Fire-Limited Fire Alarm Cable (FPLR, FPL)	TP, TSP	E464946	UL 1424

**[ 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 <sup>2</sup>
2	6.35/11kV CU/XLPE/PVC/LEAD/PVC/SWA/FR-PVC - IEC 60502-1	3C x 240mm <sup>2</sup>
3	0.6/1kV CU/XLPE/PVC/LEAD/PVC/SWA/FR-PVC - IEC 60502-1	3C x 240mm <sup>2</sup>
4	300/500V CU/PVC/ASV/LEAD/PVC/SWA/FR-PVC - BS 5308, BS 6746	7Pr x 1.0mm <sup>2</sup>

## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E331577  
**Report Reference** E331577-20090911  
**Issue Date** 2013-OCTOBER-17

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** COMPONENT - APPLIANCE WIRING MATERIAL  
 SINGLE-CONDUCTOR THERMOPLASTIC-INSULATED  
 WIRE, 1007, 1015, 1061, 1569, 1589

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

**Standard(s) for Safety:** UL 758, Appliance Wiring Material  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark, , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

*William R. Carney*

William R. Carney, Director, North American Certification Programs  
 UL LLC

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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130402-E331577  
**Report Reference** E331577-20090911  
**Issue Date** 2013-APRIL-02

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** COMPONENT - APPLIANCE WIRING MATERIAL  
 MULTI-CONDUCTOR THERMOPLASTIC-INSULATED  
 WIRE - 2095, 2464, 2919, 20276

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

**Standard(s) for Safety:** UL 758 - Appliance Wiring Material  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark, , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130513-E331577  
**Report Reference** E331577-20130510  
**Issue Date** 2013-MAY-13

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** COMPONENT - APPLIANCE WIRING MATERIAL  
 SINGLE-CONDUCTOR THERMOSETTING-INSULATED WIRE-  
 3321, 3398

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

**Standard(s) for Safety:** UL 758-for Appliance Wiring Material  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark, , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

*William R. Carney*

William R. Carney, Director, North American Certification Programs  
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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140214-E464946  
**Report Reference** E464946-20140214  
**Issue Date** 2014-FEBRUARY-14

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OchU-RI  
 Godeok-Myon  
 Yesan-Gun Chungnam-Do 340-934 KOREA

**This is to certify that representative samples of** POWER-LIMITED FIRE ALARM CABLE  
 Types: FPLR, FPL (60°C to 105°C).

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 [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle () with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140206-E464809  
**Report Reference** E464809-20140205  
**Issue Date** 2014-FEBRUARY-06

**Issued to:** DAE WON CABLE CO LTD  
 134-7 Ochu-Ri  
 Godeok-Myon  
 Yesan-Gun Chungnam-Do 340-934 KOREA

**This is to certify that representative samples of** WIRE, SPECIAL PURPOSE  
 Cathodic Protection Cable

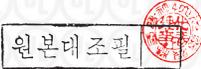
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 83, Thermoplastic-Insulated Wires and Cables  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E301928  
**Report Reference** E301928-20060614  
**Issue Date** 2013-OCTOBER-17

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** MEDIUM-VOLTAGE CABLE  
 Type MV-90 Cable, rated 5 to 35 kV

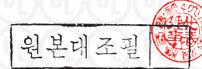
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** Standard for Medium Voltage Power Cables (UL 1072)  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130418-E336580  
**Report Reference** E336580-20100503  
**Issue Date** 2013-APRIL-18

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** OPTICAL FIBER CABLE  
 Type OFN and OFNR

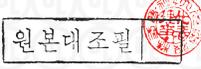
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 1651, Optical Fiber Cable  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131018-E332809  
**Report Reference** E332809-20100507  
**Issue Date** 2013-OCTOBER-18

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** POWER-LIMITED CIRCUIT CABLE  
 Types CL3, PLTC (60°C - 105°C)

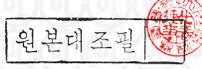
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** Standard for Power Limited Circuit Cable, UL 13  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E306898  
**Report Reference** E306898-20060712  
**Issue Date** 2013-OCTOBER-17

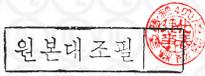
**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify 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 [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.  
 The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.  
 Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131031-E365103  
**Report Reference** E365103-20131031  
**Issue Date** 2013-OCTOBER-31

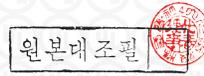
**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** POWER AND CONTROL TRAY CABLE  
 USL - Type TC Power and Control Tray Cable

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

**Standard(s) for Safety:** Standard for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members, UL 1277  
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.  
 The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.  
 Look for the UL Listing Mark on the product.



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 William R. Carney, Director, North American Certification Programs  
 UL LLC



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E88999  
**Report Reference** E88999-20110527  
**Issue Date** 2013-OCTOBER-17

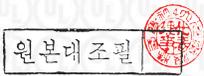
**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify 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 [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.  
 The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.  
 Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E240172  
**Report Reference** E240172-20040518  
**Issue Date** 2013-OCTOBER-17

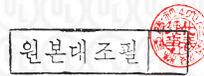
**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify 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 [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.  
 The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.  
 Look for the UL Listing Mark on the product.



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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131017-E216365  
**Report Reference** E216365-20100806  
**Issue Date** 2013-OCTOBER-17

**Issued to:** DAE WON CABLE CO LTD  
 134-7 OCHU-RI  
 GODEOK-MYON  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA

**This is to certify that representative samples of** COMMUNICATIONS CABLE  
 Type CMR rated 60 or 75°C

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

**Standard(s) for Safety:** UL 444, Communications Cables  
 CSA C22.2 No. 214-08, Communications Cables

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.  
 The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and "US" identifiers; the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

원본대조필

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 UL LLC

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## CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130418- E352903  
**Report Reference** E352903-20120601  
**Issue Date** 2013-April-18

**Issued to:** DAE WON CABLE CO LTD,  
 134-7 OCHU-RI, GODEOK-MYON,  
 YESAN-GUN CHUNGNAM-DO 340-934 KOREA.

**This is to certify that representative samples of** LOCAL AREA NETWORK CABLE VERIFIED FOR  
 TRANSMISSION PERFORMANCE IN ACCORDANCE  
 WITH NATIONAL OR INTERNATIONAL  
 SPECIFICATIONS.

Communications Cable, Type CMR Cable also Verified to Category 6 and NEMA WC 66 Category 6.

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

**Standard(s) for Safety:** UL444- Data Transmission Cable Verified in Accordance with National and International Specifications.

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

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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 mm<sup>2</sup>

Rated voltage U<sub>0</sub>/U<sub>m</sub> 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  
Ulrechtseweg 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.

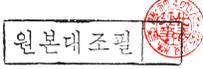
The Certificate applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the manufacturer.

This Certificate comprises 41 sheets in total.

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KEMA Nederland B.V.  
*S.A.M. Verhoeven*  
S.A.M. Verhoeven  
Arnhem, 10 January 2002




## 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 mm<sup>2</sup> 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.  
*S.A.M. Verhoeven*  
P.G.A. Bus  
KEMA T&D Testing Services  
Managing Director  
Arnhem, 13 October 2005

**This report consists of:**  
23 pages  
2 appendices

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## 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** 7Px1.0 mm<sup>2</sup>  
CU/PVC/AS/VI/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.  
*S.A.M. Verhoeven*  
P.G.A. Bus  
KEMA T&D Testing Services  
Managing Director  
Arnhem, 13 October 2005

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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 mm<sup>2</sup>

Rated voltage U<sub>0</sub>/U<sub>m</sub> 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  
Ulrechtseweg 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.

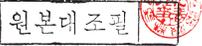
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원본대조필 

KEMA Nederland B.V.  
*S.A.M. Verhoeven*  
S.A.M. Verhoeven  
Arnhem, 10 January 2002





05-1370

**TYPE TEST CERTIFICATE OF COMPLETE TYPE TEST**

<b>OBJECT</b>	three core power cable
<b>DESIGNATION</b>	6,35/11(12) kV, 3x240 mm <sup>2</sup> Cu, XLPE
<b>MANUFACTURER</b>	Daewon Cable Co., Ltd. 134-7 Ochu-ri, Godeok-myeon, Yesan-hun, Chungcheongnam-do, Korea
<b>DATE OF TESTS</b>	14 July up to and including 16 November 2005
<b>TESTED BY</b>	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**

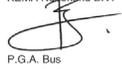
This Type Test Certification has been issued by KEMA following exclusively the STL guides. The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings 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.G.A. Bus  
KEMA T&D Testing Services  
Managing Director  
Arnhem, 2 December 2005



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

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

*Declares that the product:*

<b>Product Name:</b>	PVC Insulated wire
<b>Base Model :</b>	UL AWM **** (Asterisk**** means 1007-1671)

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. 2010 General Manager: Y. S. Cho  
(Place, date of issue) (Title and signature)

