

With UL,CSA,cUL



1. UL (Underwriters Laboratories Inc.)

UL was established as a nonprofit agency to protect the body, the life, and the property from a dangerous electric appliance shop etc. in 1894.

In an American central government, the safety restriction of an electric product is not enacted, and the authority to enact the safety restriction is given to each provincial government. However, UL is admitted in most each provincial government or an intrastate each one rule body, and when the safety of the product is proven in the provincial government and the municipality, the service of UL is used.

Therefore, it can be said that the UL recognition of an electric product is a precondition of export to the United States. Our company has received the services of Listing , which

2. CSA (Canadian Standards Association)

CSA was established as a nonprofit agency by the cooperation of the government and the industrial world in 1919.

It is similar to the case of UL, and is necessary to suit the CSA standard as a precondition of the export of the product to Canada.

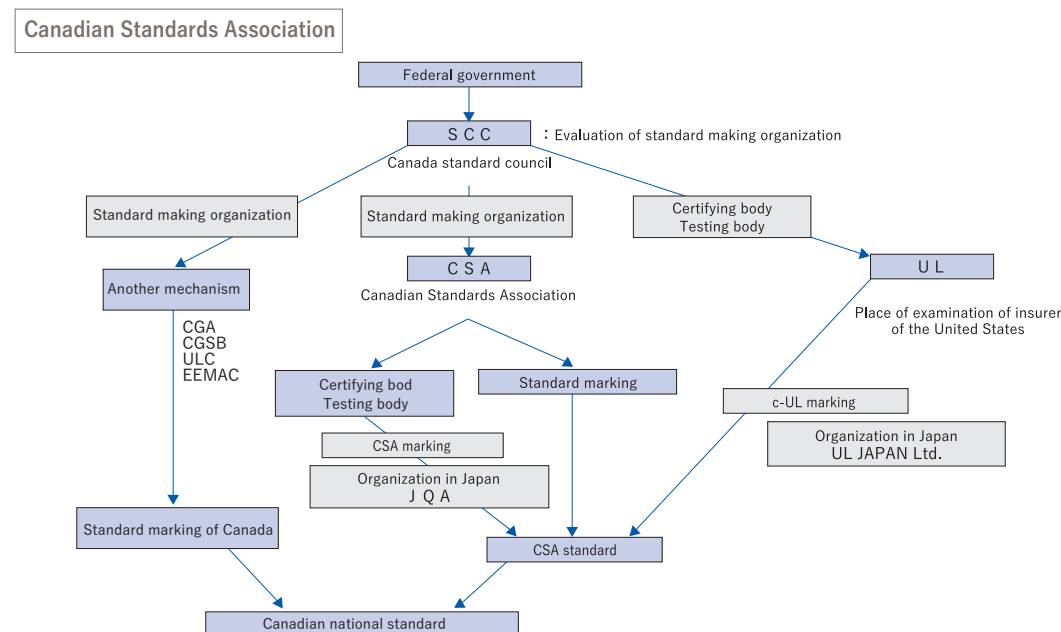
The UL standard and the CSA standard have the same part according to the target product, and have a lot of difference points. Both of UL in recent years and CSA get the tendency for the exchange to increase, and to harmonize the standard as much as possible shown.

3. cUL



cUL is that UL does the business of the examination, the attestation, and the quality examination registration to the product for Canada. UL has received the attestation from Canada standard council (SCC) as certifying bod (CO) and testing body (TO). Moreover, it is being recognized officially from all states and all Territory now.

The cUL mark for Canada has the following two in our company. It is a listing for Canada mark in the United States for the target product of the listing mard (flexible code). Moreover, it is Recognisshommarc in the United States for target product (AWM) of Recognisshommarc for Canada. cUL for Canada and the UL mark of the past for the United States are both marks of UL. The cUL mark is the one that examines according to



About the product received attestaion of TÜV



1. With TUV

TÜV (technological inspection society) is an inspecting agency of the government endorsement of Germany, and it exists in Germany various places like the TÜV line land and TUV Bavaria, etc. A public group such as German governments that is inspects almost all by TÜV.

Staff's high, technical level of the strictness of the inspection business has the character as an independent third party inspecting agency by TÜV, and is famous of course and worldwide in the EU region.

International standard SERIES of our company receives the attestation from TÜV line land Japan Ltd. that is the subsidiary company in the TÜV line land.

2. Attestation of TUV line land Japan Ltd

If the inspection and the examination are done as well as the CE marking according to EN50525-1 (claims postulated of the electric wire cable), and the safety of the product is proven, the target product can receive the product recognition. (There are a number of core and size off the subject for recognition because there is no application safety standard on a part of International standard SERIES.)

Moreover, the factory audit produce by meeting the standard for the target product whether it being done is held. This can receive the factory attestation if it is done based on the ISO9000 series standard, there is no problem, and the correction is lectured to the problem.

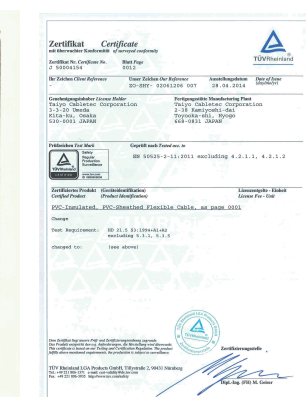
As mentioned above, the supply of a safe product steady by the inspection of the target product, and doing the examination and two attestations of the audit of the quality system concerning it is guaranteed.



Authorization certificate of Toyooka factory



Authorization certificate of Shimane factory



Authorization certificate of STO

With CE marking



1. EC Directive

EC instruction is issued by EC board of directors of European Union (EC) according to each field such as an electric equipment, the machine plant, the radio interference, medical equipment, and toys aiming at the thing that the human body, the domestic animal or the property is not jeopardized. It corresponds to Low Voltage Directive as an electric wire cable in that.

It is necessary to follow this instruction the electric equipment the range of the object of Low Voltage Directive designed to use it with AC50~1000V and DC75~1500V, and to circulate the product in EC market.

The safety of the product is proven by using the safety standard in the EN standard (Europe adjustment standard), HD (HARMONIZATION DOCUMENT), the IEC standard (International Electrotechnical Commission), and each country of Europe in Low Voltage Directive (In order of priority), and it is demanded to display the CE marking in the product or wrapping.

2. CE marking product of our company

Our CE marking product executes the CE marking by using EN50525-1 (claims postulated of the electric wire cable) for a past UL or cUL recognition cable. (International standard SERIES)

Therefore, it is possible to replace it from our electric wire cable that has been used since the past as it is.

Moreover, the CE marking product of the C3 series conforms to the IEC standard the GB standard, and executes the CE marking based on EN50525-1 (claims postulated of the electric wire cable).

With Electrical Appliance and Material Safety Law



1. Electrical Appliance and Material Safety Law

It divided into "Electrical Appliance and Material Control Law" on April 1, 2001 and it was enforced with Electrical Appliances and Materials Safety Law. The purpose of the new law is "Danger with electric articles and occurrences of the trouble are prevented by manufacturing electric articles, restricting sales etc. , and promoting the private entrepreneur's independent activity about securing the safety of electric articles". In a word, it became a self confirmation by the manufacturing entrepreneur and the importer, etc. who made from "Prior restriction" to "Restriction after the fact", and put in check JECTEC (JET etc.) by the third party inspecting agency. About the technological standard on Electrical Appliances and Material Control Law of ministerial ordinance provide the standard in the technology of electric appliance,should suit standards.

2. C3 series product adapted to Electrical Appliance and Material Safety Law

The PSE mark product of our C3 series obtains the attestation based on the appended table 12 of the interpretation of the ministerial ordinance Electrical Appliances and Materials Safety Law and executes the PSE display.

With CCC



CCC is the abbreviation for China Compulsory Certification.

This is an attestation system about safety or EMC etc. of the product sold in China.

As for the product which does not acquire attestation, commercial acts, such as shipment in China, import and sale to China, are forbidden.

A duty of the display of a CCC attestation mark is imposed upon the object product.

- Products requiring Certification should be the following 19 items, 132 categories listed in the ""First Catalogue of Products Subjects to Compulsory Certification"" published as ""Joint Announcement No. 2001-33 by the General Administration of Quality Supervision, Inspection & Quarantine(AQSIQ) and the Certification & Accreditation Administration of China(CNCA)"".

- 1 . Electrical wires and cables (5 categories)
- 2 . Switches for circuits, Installation protective and connection devices (6 categories)
- 3 . Low-voltage Electrical Apparatus (9 categories)
- 4 . Small Power motors (1 category)
- 5 . Electric tools (16 categories)
- 6 . Welding machines (15 categories)
- 7 . Household and similar electrical appliance (18 categories)
- 8 . Audio and video apparatus (16 categories)
- 9 . Information technology equipment (12 categories)
10. Lighting apparatus (2 categories)
11. Telecommunication terminal equipment (9 categories)
12. Motor vehicles and Safety parts (4 categories)
13. Motor vehicle tires (3 categories)
14. Safety Glasses (3 categories)
15. Agricultural Machinery (1 category)
16. Latex Products (1 category)
17. Medical Devices (7 categories)
18. Fire Fighting Equipment (3 categories)

- Frequent additions have been announced, however, and as of September 2009, the range of items subject to the requirements includes 160 product categories in 22 groups.

- An electric wire and a cable are equivalent to 5 categories of the electric wires and cables of First Catalogue of Products Subjects to CompulsoryCertification.

- Cord sets
- Flexible rubber-sheathed cables for mining purposes
- Insulated cables (wires) for railway vehicles of rated voltage up to and including 3kV
- Rubber insulated cables of rated voltages up to and including 450/750V
- Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750V

The CCC mark product of our company is equivalent to the rubber insulated cables of rated voltages up to and including 450/750V, or the polyvinyl chloride insulated cables of rated voltages up to and including 450/750V, and it obtains the attestation based on China standard GB/T 5013.1~5013.7 or GB/T 5023.1~5023.7.