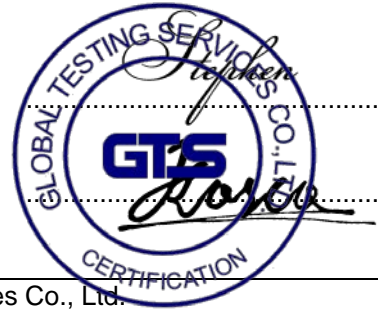


<p>EN 50164-2:2008</p> <p>Lightning protection components (LPC) – Part 2: Requirements for conductors and earth electrodes</p>	
TCF Reference No.:	TCZJ19040217515
Prepared by (+ signature).....:	Stephen Zhang / Testing Engineer
Approved by (+ signature)	Cosco Yu / Technical Manager
Date of issue	Apr. 18, 2019
The third party.....:	Shanghai Global Testing Services Co., Ltd.
Address.....:	Floor 2nd, Building D-1, No. 128, Shenfu Road, Minhang District, Shanghai, China.
Reviewing procedure	CE
Applicant's name:	YUEQING SOCOME IMPORT&EXPORT CO.,LTD
Address.....:	No.126, Suao East Road, Liushi Town, Yueqing City, Wenzhou, Zhejiang Province, China
Manufacturer's name	ZHEJIANG BAOLIN ELECTRIC CO.,LTD
Address.....:	No.126, Suao East Road, Liushi Town, Yueqing City, Wenzhou, Zhejiang Province, China
Factory's name	Same as manufacturer
Address.....:	
TCF specification:	
Standard	<input checked="" type="checkbox"/> EN 50164-2:2008
Non-standard TCF method.....:	N/A
Review item description	Earth Rod or Accessories
Trade Mark	SOCOME
Model/Type reference.....:	ERT1212,ERT1412,ERT1415,ERT1418,ERT1615,ERT1715,ERT1718,ER1212,ER1420,ER1612,ER1712,ERT,ER,CER,SER,CCR,DH,CD,DS,ET,SMD,CC,RTC,RCC,URC,URCC,UC,BCC,TEC,TCC,TC,ADC,CDC,ASC,CSC,SLDC,STC,SCL,SCC,BMC,OTCA,OTCC,EP,T/J,CCT,CWJC,CMC,WCJB,WCJC
Ratings (for the Electrical Equipment)	\
Test model.....:	ERT1412



Possible review case verdicts:

- review case does not apply to the test object : N/A
- review object does meet the requirement : P(Pass)
- review object does not meet the requirement..... : F(Fail)

Reviewing..... :

Date of receipt of review item : Apr. 02, 2019

Date (s) of performance of reviews : Apr. 02, 2019 to Apr. 18, 2019

General remarks:

The review results presented in this report relate only to the object reviewed.

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"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

General notes on tests:

This review report include the following page(s):

National deviation of EU have been considered.

Annex I: Photo Documentation, **1** page(s).

EN 50164-2:2008			
Clause	Requirement – Test	Result	Verdict
4	Requirements		-
	Conductors and earth electrodes shall be so designed and constructed that in normal use their performance is reliable and without danger to persons and the surrounding.		P
4.1	Documentation		-
	The manufacturer or supplier of the conductors and earth electrodes shall provide adequate information in his literature to ensure that the installer of the conductors and earth electrodes can select and install the materials in a suitable and safe manner, in accordance with IEC 61204-1-2. Compliance is checked by inspection.		P
4.2	Air termination conductors, air termination rods and down conductors		-
	The material, configuration and minimum cross sectional area of the conductors, shall be in accordance with Table 1. Their mechanical and electrical characteristics shall be in accordance with Table 2.		N/A
	The materials given in Table 1 may be covered with a coating of either plastic material such as ultra violet stabilized polyvinyl chloride (pvc), or equivalent material, depending on its application.		N/A
	Coated conductors shall be corrosion resistant and the coating shall exhibit good adherence to the base material.		N/A
4.3	Earth electrodes		
	The minimum cross sectional area of earth electrodes, its material and its configuration shall be in accordance with Table 3. Its mechanical and electrical characteristics shall be in accordance with Table 4.	See annex 1	P
4.3.1	Earth rods		-
	Earth rods shall be mechanically robust to ensure correct installation. The choice of material shall be sufficiently malleable to ensure no cracking of the rod takes place during installation.		P
	The threads on the rods if any shall be smooth and fully formed. For coated rods, the coating shall extend over the threads. A lead in chamfer or point is recommended to facilitate driving.		P
4.3.2	Joints for earth rods		-
	Earth rods can be extended to drive deeper into the ground. This can be achieved by means of a joint/coupling device.		P
	The choice of material shall be compatible with that of the earth rod being joined.		P

	It shall be mechanically robust, sufficient to withstand the driving forces generated during installation.		P
4.3.3	Driving in of earth rods		
	The manufacturer shall provide adequate instructions in his literature to ensure that the mechanical driving forces are transferred directly without causing damage to the earth rod and the coupler. Compliance is checked in conjunction with 4.1		P
5	Test		-
6	Electromagnetic compatibility (EMC)		-
	Products covered by this standard are, in normal use, passive in respect of electromagnetic influences (emission and immunity).		P

Annex 1

Rod with thread

Model	Diameter (inch)	Length (inch)
ERT1112	1/2"	4'
ERT1115	1/2"	5'
ERT1212	1/2"	4'
ERT1215	1/2"	5'
ERT1218	1/2"	6'
ERT1412	5/8"	4'
ERT1415	5/8"	5'
ERT1418	5/8"	6'
ERT1421	5/8"	7'
ERT1424	5/8"	8'
ERT1430	5/8"	10'
ERT1615	16mm	5'
ERT1618	16mm	6'
ERT1624	16mm	8'
ERT1630	16mm	10'
ERT1715	3/4"	5'
ERT1718	3/4"	6'
ERT1724	3/4"	8'
ERT1730	3/4"	10'

Note: The thickness of the copper plating $\geq 0.254\text{mm}$

Rod without thread

Model	Diameter (inch)	Length (inch)
ER1112	11	1200
ER1115	11	1500
ER1212	12.7	1200
ER1215	12.7	1500
ER1218	12.7	1800
ER1412	14.2	1200
ER1415	14.2	1500
ER1418	14.2	1800
ER1421	14.2	2100
ER1424	14.2	2400
ER1430	14.2	3000
ER1615	16	1500
ER1618	16	1800
ER1624	16	2400
ER1630	16	3000
ER1715	17.2	1500
ER1718	17.2	1800
ER1724	17.2	2400
ER1730	17.2	3000

Note: The thickness of the copper plating $\geq 0.254\text{mm}$

Type of equipment, model: Earth Rod or Accessories

Details of:

View:

general

front

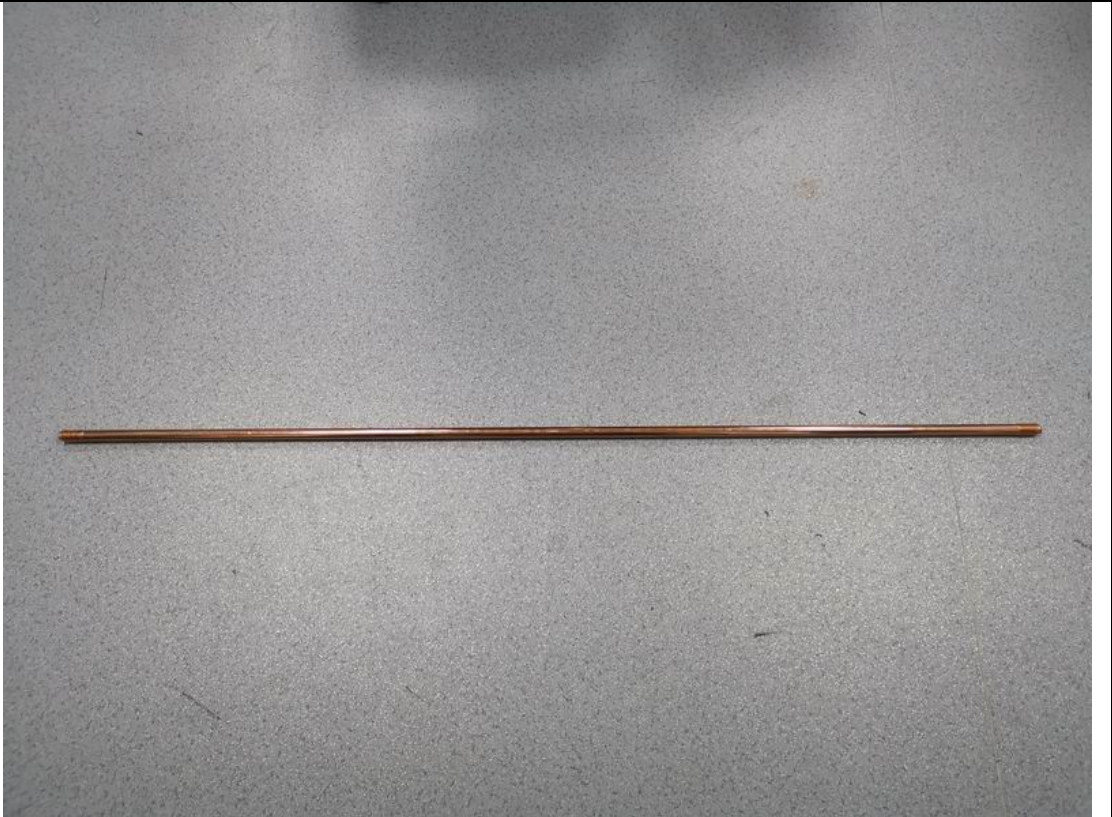
rear

right

left

top

bottom



Details of:

View:

general

front

rear

right

left

top

bottom

