



RINA

DATE: 19/5/2010
OUR REF.: ELET/GBC/35188
YOUR REF.:

YOUNG CHANG SILICONE CO. LTD,
481-7, Gasan-Dong, Geumchun-Gu,
Seoul 153-803, - Korea, Republic Of

RI Number:  File Number: 2009CS015249 

SUBJECT: Request for RINA TA for electrical cables.
type: FFCS & FFCS(S) 300/500V.
ATTACH.: N. 1 Type Approval Certificate - Tot. 2 pages

COPY TO:
Office PUSAN

We herewith enclose the relevant Type Approval Certificate issued with number ELE524909CS dated May 19, 2010.

The relevant invoice will be sent You by separate letter.

Best Regards

Valerio Bonanni



HEAD OF: ELECTRICAL AND AUTOMATION SYSTEMS
ITALY PLAN APPROVAL CENTRE
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TYPE APPROVAL CERTIFICATE
No. **ELE524909CS**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	ELECTRIC CABLES
<i>Type</i>	FFCS ; FFCS(S); 300/500 V
<i>Applicant</i>	YOUNG CHANG SILICONE CO. LTD, 481-7 GASAN-DONG, GEUMCHUN-GU,SEOUL 153-803, KOREA, REPUBLIC OF
<i>Manufacturer</i>	YOUNG CHANG SILICONE CO. LTD,
<i>Place of manufacture</i>	481-7 GASAN-DONG, GEUMCHUN-GU,SEOUL 153-803, KOREA, REPUBLIC OF
<i>Reference standards</i>	IEC 60092-350

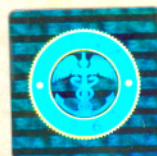
Issued in **Genova** on **May 19, 2010**. *This Certificate is valid until* **May 19, 2015**

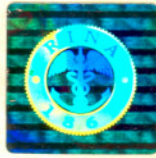
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This certificate consists of this page and 1 enclosure





TYPE APPROVAL CERTIFICATE

No. **ELE524909CS**

Enclosure - Page 1 of 1

FFCS ; FFCS(S); 300/500 V

Materials/Components

Shipboard control and communication cables, flame retardant type.

Rated voltage: 300/500 V

Type: FFCS; FFCS(S).

Marking: rated voltage - FFCS (or FFCS(S)) - NC x section mm² - Manufacture's Name - Year - IEC 60332-3 cat. A

Construction:

conductor: tinned annealed copper wire (IEC 60228)

insulation: FEP 100 (IEC 60092-351)

inner covering: extruded PVC compound or for type FFCS(S) only: flame retardant silicone rubber (S95)

shield: tinned annealed copper wire braid with drain wire

sheath: ETFE521 (IEC 60092-359)

In accordance to IEC 60228; IEC 60092-350; IEC 60092-351; IEC 60092-359; IEC 60332-1; IEC 60332-3-22 cat. A .

Maximum continuous service conductor temperature: 100°C (Max 150°C)

Number of cores: 2 to 25 - cross sectional area from 0.75 mm² to 1.5 mm²

Number of cores : 2 to 20 - cross-sectional area from 2.00 mm² to 2.5 mm²

Technical Specification: Specification N. YCS 04-M28 Rev. N. Ver 0.2, dated 2008.11.03, Page 1 of 50.

Genova May 19, 2010