



TYPE APPROVAL CERTIFICATE

Certificate No. : CPH15582-EL010 **Initial Approval** : 25th April, 2012.
Product : Electric Cable
Manufacturer : Helkama Bica Oy
Lakimiehenkatu 4, FIN-20780 Kaarina, Finland

Product Description : Type : RFA-FRHF, RFA-FRHF (i) 150 V/250 V(300 V)
Application : Halogen Free, fire resistant flame retardant
data communication cable

" See Appendix 1 "

Approval Condition : Individual Product Certification is required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 1, Sec. 4 of the Rules for Classification, Steel Ships and IEC 60092-350, -351, -376, -359, 60331-1/-21, 60332-1-2/-3-22

This Certificate is valid until 24th April, 2017.
Issued at Daejeon, Korea on 25th April, 2012.



KOREAN REGISTER OF SHIPPING

*General Manager of
Materials and Equipment Team*

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CPH15582-EL010

Date of Issue : 25th April, 2012.

1. Product Description (Type : RFA-HF, RFA-HF(i) 250 V)

- Rated Voltage : 150 V/250 V
- Conductor : Stranded, plain annealed copper Class 2
- Insulation : HF XLPE with mica fire resistant mica tape
- Pair shielding : Plastic coated aluminium tape and ground conductor (for RFA-FRHF(i))
- Sheath : Thermoplastic SHF1
- Temperature : Max. 90 °C
- Number of cores Cross-sectional area
 - 1×2, 3, 4 0.5 mm² up to 1.5 mm²
 - 2×2, 37×2 0.5 mm² up to 1.5 mm²

2. Documentation :

- Specification no. HBKQ 9 spec. 57, 58
- HELKAMA Test report no. RFA-FRHF 250 V TT (2005.11.16)

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