



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA12485M

MANUFACTURER: Helkama Bica (Shanghai) Co., Ltd., Shanghai, P.R.China

PRODUCT: 250V Halogen free, Flame retardant,  
Instrumentation, control and communication cable

TYPE NO: RFE-HF, RFE-HF(i), RFE-FRHF, RFE-FRHF(i)

TYPE TEST NO.: 07T832

PARTICULARS:

Rated voltage	a.c. 150/250 V (300V)
Conductor size	0.5, 0.75, 1.5mm <sup>2</sup> (RFE-HF, RFE-HF(i)) 0.75, 1.5 mm <sup>2</sup> (RFE-FRHF, RFE-FRHF(i))
Insulation	Cross-linked polyethylene plastic (XLPE)
Individual shield	Polyester coated aluminum tape (RFE-HF(i), RFE-FRHF(i))
Covering	Two wrapped tapes of non-hygroscopic material
Screen	Braid of plain copper wires
Sheath	Thermoplastic, halogen free (SHF1)
Fire resistant type	Conductor with mica tape as pre IEC 60331 (-FRHF type)
Max. rated conductor temperature	90°C

STANDARD: IEC 60092-350, IEC 60092-351, IEC 60092-359, IEC 60092-376,  
IEC 60332-1, IEC 60332-3-22 Cat.A, IEC 60754, IEC 61034

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 6 September 2016.

Issued at Tokyo on 25 June 2012.

T. Narisawa  
General Manager  
Machinery Department