



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA12528M

MANUFACTURER: Helkama Bica Oy, Kaarina, Finland

PRPDUCT: 250V Halogen free flame retardant control and instrumentation cable

TYPE NO.: LKM-HF, LKM-FRHF, LKAM-HF, LKAM-FRHF, LKSM-HF, LKSM-FRHF

TYPE TEST NO.: 12T849

PARTICULARS:

Rated voltage	150/250V (300V)
No. of cores	2 – 61 cores
Conductor size	0.5, 0.75, 1.0 mm <sup>2</sup> (0.75, 1.0 mm <sup>2</sup> in case of -FRHF type)
Insulation	Halogen free cross-linked polyethylene plastic (HF-XLPE)
Separator	Wrapped tape of non-hygroscopic material
Armour/Screen	Braided armour of annealed copper wires (LKSM type) Tape of aluminium/polyester with drain wire (LKAM type)
Sheath	Halogen free thermoplastic (SHF1)
Max. rated conductor temperature	90°C

STANDARD: IEC60092-350, IEC60092-351, IEC60092-376, IEC60092-359, IEC60332-1, IEC60332-3-22 Cat.A, IEC60228, IEC60682, IEC60754, IEC61034, IEC60331 (-FRHF type)

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 3 September 2017.

Issued at Tokyo on 4 September 2012.

T. Narisawa  
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Machinery Department