



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA12529M

MANUFACTURER: Helkama Bica Oy, Kaarina, Finland

PRODUCT: 1.8/3kV Halogen free flame retardant power and control cable

TYPE NO.: LKSM-VFD

TYPE TEST NO.: 12T850

PARTICULARS: Design to meet requirements for variable frequency drives (VFD)

Rated voltage	1.8/3kV (3.6kV)
No. of core x Conductor size	1 x 16 – 300 mm <sup>2</sup> 3 x 16 – 240 mm <sup>2</sup> (additional PE conductor 3x16–50mm <sup>2</sup> for 3x95–240mm <sup>2</sup> )
Insulation	Cross-linked polyethylene plastic (XLPE)
Armour	Braided armour of annealed copper wires Copper tape under the blaid
Sheath	Halogen free thermoplastic (SHF1)
Max. rated conductor temperature	90°C

STANDARD: IEC60092-350, IEC60092-351, IEC60092-353, IEC60092-359, IEC60332-1, IEC60332-3-22 Cat.A, IEC60228, IEC60754, IEC61034, IEC61196-1

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  
General Manager  
Machinery Department