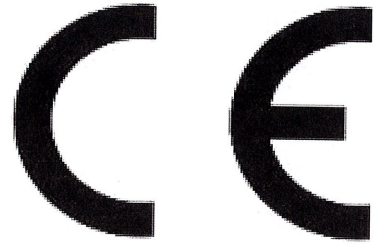


EU Declaration of Conformity

No. 201701



1. **Products** KJAAM-HF and KJAAM-ECO

2. **Manufacturer**

Company name: Helkama Bica Oy
-address: Lasitehtaankatu 12 10960 HANKO
-phone: +358-2-410-8700
-fax: +358-19-248 2016

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer**

4. **Objects of the declaration**

KJAAM-HF and KJAAM-ECO cable for instrumentation and control

Size: KJAAM-HF 1X(2+1)X0,5+0,5
KJAAM-HF 2X(2+1)X0,5+0,5
KJAAM-HF 4X(2+1)X0,5+0,5
KJAAM-HF 8X(2+1)X0,5+0,5
KJAAM-HF 12X(2+1)X0,5+0,5
KJAAM-HF 24X(2+1)X0,5+0,5
KJAAM-ECO 1X(2+1)X0,5+0,5
KJAAM-ECO 2X(2+1)X0,5+0,5
KJAAM-ECO 4X(2+1)X0,5+0,5
KJAAM-ECO 8X(2+1)X0,5+0,5
KJAAM-ECO 12X(2+1)X0,5+0,5
KJAAM-ECO 24X(2+1)X0,5+0,5

5. **The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:**

Low Voltage Directive (LVD) 2014/35/EU
Construction Product Regulation (CPR) No 305/2011/EU
Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU

6. **References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:**

| | |
|----------------|--|
| EN 50288-7 | Design standard |
| EN 50290-2-23 | Polyethylene |
| EN 50290-2-27 | Thermoplastic and thermoset sheathing |
| IEC 60332-1-2 | Flame-retardant - test for single wire and cable |
| IEC 60332-3-22 | Flame-retardant - test for bunched cable |
| IEC 61034 -2 | Smoke density |
| IEC 60684-2 | Fluorine content test |
| IEC 60754 | Halogen free |

7. **Signed for and on behalf of:**

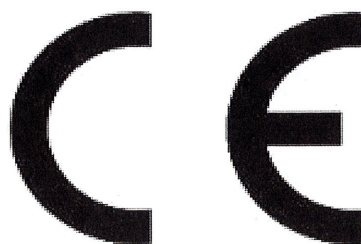
Kaarina 31.7.2017

Manufacturer:
Helkama Bica


Martin Asplund, Development Manager

EU Declaration of Performance

No. 201701



1. **Unique identification code of the product-type:**

Size: KJAAM-HF 1X(2+1)X0,5+0,5
KJAAM-HF 2X(2+1)X0,5+0,5
KJAAM-HF 4X(2+1)X0,5+0,5
KJAAM-HF 8X(2+1)X0,5+0,5
KJAAM-HF 12X(2+1)X0,5+0,5
KJAAM-HF 24X(2+1)X0,5+0,5
KJAAM-ECO 1X(2+1)X0,5+0,5
KJAAM-ECO 2X(2+1)X0,5+0,5
KJAAM-ECO 4X(2+1)X0,5+0,5
KJAAM-ECO 8X(2+1)X0,5+0,5
KJAAM-ECO 12X(2+1)X0,5+0,5
KJAAM-ECO 24X(2+1)X0,5+0,5

2. **Intended use**

Supply of communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

3. **Manufacturer**

Company name: Helkama Bica Oy
-address: Lasitehtaankatu 12 10960 HANKO
-phone: +358-2-410-8700
-fax: +358-19-248 2016

4. **System or systems of assessment and verification of constancy of performance of the construction product**

System 3

5. **Harmonised standard**

EN 50575:2014 + A1:2016

6. **Notified body code**

0199

7. **Declared performance**

Reaction to fire: $D_{ca-s2,d2,a1}$
Dangerous substances: NPD

6. **The performance of the product identified in point 1 is in conformity with the declared performance in point 7**

This declaration of performance is issued under the sole responsibility of the manufacturer

7. **Signed for and on behalf of:**

Kaarina 31.7.2017

Manufacturer:
Helkama Bica

Martin Asplund, Development Manager