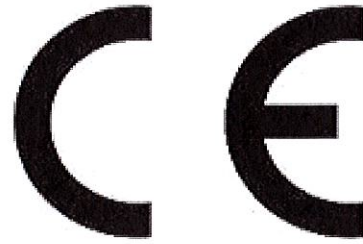


EU Declaration of Conformity

No. 201707



1. **Products** KJAAM-HF GM

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 GM cable for instrumentation and controll

Size: KJAAM-HF GM 4X(2+1)X0,5+0,5
KJAAM-HF GM 8X(2+1)X0,5+0,5
KJAAM-HF GM12X(2+1)X0,5+0,5
KJAAM-HF GM 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:**

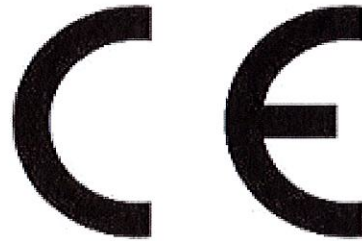
Kaarina 5.12.2017

Manufacturer:
Helkama Bica


Martin Asplund, Development Manager

EU Declaration of Performance

No. 201707



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

Size: KJAAM-HF GM 4X(2+1)X0,5+0,5
KJAAM-HF GM 8X(2+1)X0,5+0,5
KJAAM-HF GM12X(2+1)X0,5+0,5
KJAAM-HF GM 24X(2+1)X0,5+0,5

2. **Intended use**

Supply of communications to buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke. The construction is designed to be buried in the ground.

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**

N/A

5. **Harmonised standard**

EN 50575:2014 + A1:2016

6. **Notified body code**

N/A

7. **Declared performance**

Reaction to fire: F_{ca}
Dangerous substances: NPD

8. **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

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

Kaarina 5.12.2017

Manufacturer:
Helkama Bica



Martin Asplund, Development Manager