

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: Nemko 13ATEX1572 **Issue 0**

[4] Equipment or Protective System: Cables

[5] Applicant/ Manufacturer: A-Kabel AS

[6] Address: Postboks 64
Nedre Hagaveg 15C
2151 Årnes, Norway

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 247388

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

CENELEC EN 60079-0: 2009, CENELEC EN 60079-11 : 2012

[10] If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

 II 2 G Ex ib IIC T4 Gb $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

Oslo, 2013-11-20

Asle Kaastad
Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 13ATEX1572 Issue 0****[15] Description of Equipment or Protective System**

Communication cables

Type Designation

AK6797 (10m cable) & AK6799 (20m cable)

Safety parameters

Model AK6797: Ui: 10Vdc, Ii: 2A, Ci: 1.5nF, Li: 2μH

Model AK6799: Ui: 10Vdc, Ii: 2A, Ci: 3.0nF, Li: 4μH

The safety parameters are based on linear resistive power supply input.

Ingress Protection Code

IP20

[16] Report No 247388**Descriptive documents:**

Title/Description	Name/Number	Rev	Date	Sheets
AK6797-AK6799 Assembly & Bom	AK6797-AK6799assy	A	2013-10-20	1
Wiring diagram AK6797sys	AK6797sys	A	2013-08-02	1
Wiring diagram AK6799sys	AK6799sys	A	2013-08-02	1
VSP-EX system description	VSP-EX_sd Rev.02	2	2005-03-02	1
Marking AK6797-AK6799	Marking AK6797-AK6799	1	2013-11-05	1

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2013-11-20	247388	Prime certificate issued

[17] Routine Test

None

Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9

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