

ELECTRICAL CONTINUITY DECLARATION

Producer:	VERGOKAN NV
Reportname:	(HD)KLM ---
Product description:	Cable ladder medium heavy
Devices under test : (Productreferences)	KLM 200 KLM 600 KLMKP RBK 12*20 RO 12 M 12 HDKLM 200 HDKLM 600 HDKLMKP HDRBK 12*20 HDRO 12 HDM 12
Test according to:	§ 11.1.2 of the IEC 61537
Description of testmethode:	A current of 25 A ± 1A A.C. having a frequency of 50 Hz to 60 Hz supplied by a source with a no-load voltage not exceeding 12 V shall be passed through the length of the samples. The voltage drop shall be measured between two points 50 mm each side of the coupler or integral coupling and again between two points 500 mm apart on one side of the joint. The impedances shall not exceed 50 mΩ across the joint and 5 mΩ per meter without the joint.
Manufactured by:	VERGOKAN N.V.
Test device:	HYAMP III 3130
Calibration certificate number:	130624-3130_9352036

[Declaration]:

We declare that above mentioned products are tested by VERGOKAN and supervised by external party Bureau Veritas according to § 11.1.2 of the IEC 61537.



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DESCRIPTION OF TEST:

Test number	Setup	Measuring points	Criteria to pass the test
1	Two cable ladders KLM 200 coupled with KLMKP, RBK 12*20, RO 12 and M 12	On both trays 50mm of the coupling.	Impedance can not exceed 50mΩ
2	Two cable ladders KLM 600 coupled with KLMKP, RBK 12*20, RO 12 and M 12	On both tray's 50mm of the coupling.	Impedance can not exceed 50mΩ
3	Two cable ladders HDKLM 200 coupled with HDKLMKP, HDRBK 12*20, HDRO 12 and HDM 12	On both trays 50mm of the coupling.	Impedance can not exceed 50mΩ
4	Two cable ladders HDKLM 600 coupled with HDKLMKP, HDRBK 12*20, HDRO 12 and HDM 12	On both tray's 50mm of the coupling.	Impedance can not exceed 50mΩ
5	KLM 200	On the tray, 500mm apart from each other	Impedance can not exceed 5mΩ/m
6	KLM 600	On the tray, 500mm apart from each other	Impedance can not exceed 5mΩ/m
7	HDKLM 200	On the tray, 500mm apart from each other	Impedance can not exceed 5mΩ/m
8	HDKLM 600	On the tray, 500mm apart from each other	Impedance can not exceed 5mΩ/m

RESULTS OF TEST:

Test number	Test	Impedance	Result
1	1	2 mΩ	Pass
	2	5 mΩ	Pass
	3	3 mΩ	Pass
2	1	3 mΩ	Pass
	2	3 mΩ	Pass
	3	3 mΩ	Pass
3	1	1 mΩ	Pass
	2	1 mΩ	Pass
	3	1 mΩ	Pass
4	1	1 mΩ	Pass
	2	1 mΩ	Pass
	3	1 mΩ	Pass
5	1	1 mΩ	Pass
	2	2 mΩ	Pass
	3	2 mΩ	Pass



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6	1	2 mΩ	Pass
	2	3 mΩ	Pass
	3	2 mΩ	Pass
7	1	1 mΩ	Pass
	2	1 mΩ	Pass
	3	1 mΩ	Pass
8	1	1 mΩ	Pass
	2	1 mΩ	Pass
	3	1 mΩ	Pass

CONCLUSION:

All the devices under test were tested as described above and did meet their criteria to pass the test.
We can state that the cable ladders KLM --- and HDKLM --- are conform to § 11.1.2 of the IEC 61537.



Thomas Leus
 Operations Director

Oudenaarde, 21/ 11/ 2013



Rudi Vandenbempt
 Bureau Veritas
 AVS 1314137

** Pictures of the test setup can be obtained on request*

On condition that the product(s) is/are used in the manner intended and/or in accordance with the current installation standards and/or with the manufacturer's recommendations.