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ELECTRICAL CONTINUITY DECLARATION

Producer:	VERGOKAN NV
Reportname:	(HD)KLW ---
Product description:	Cable ladder wide span
Devicesunder test : (Productreferences)	KLW 200 KLW 600 KLWKP RBK 12*20 RO 12 M 12 HDKLW 200 HDKLW 600 HDKLWKP 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 hrough 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.

BUREAU VERITAS INSPECTORS AT ANTWERP paris 1828 INDUSTRY & FACILITIES

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DESCRIPTION OF TEST:

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

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6	1	2 mΩ	Pass
	2	3 mΩ	Pass
	3	1 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	2 mΩ	Pass

CONCLUSION:

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

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Oudenaarde, 21/11/2013

Thomas Leus
Operations Director

BUREAU VERITAS INSPECTORS ANTWERP paris 1828 INDUSTRY & FACILITIES

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.