



**BUREAU  
VERITAS**

INDUSTRY & FACILITIES

## TYPE APPROVAL CERTIFICATE No. INY-2016-CH-083

*Certificat d'approbation de type*

### **1. General:**

Name and address of the factory : NEXANS Suisse SA  
2, Rue de la Fabrique  
2016 Cortaillod

Type of product manufactured : Siwo-Kul Cables 1.1kV to 13.8kV

Date of Type Tests :  
At Nexans Suisse, Cortaillod 11.07. – 16.12.2016

Type Tests witnessed by :  
At Nexans Suisse, Cortaillod Patrick Frei, BV Inspector BV CH

### **2. Type Tests carried out at Nexans Suisse :**

### **Standards**

2.1	Volume resistivity of insulation at 95°C:	IEC 60092-350
2.2	Volume resistivity of insulation at ambient temperature:	IEC 60092-350
2.3	Cable dimensions:	IEC 60092-350, 60811
2.4	High Voltage Tests:	IEC 60092-350
2.5	Conductor resistance measurements:	IEC 60228
2.6	Mechanical characteristics of the insulation before and after ageing:	IEC 60092-350
2.7	Fire tests: Smoke emission test:	IEC 61034
2.8	Fire tests: Single cable flame test:	IEC 60332-1
2.9	Fire tests: Bunched cable fire test:	IEC 60332-3-24

### **3. Documents in reference :**

3.1 Lloyd's Register Type Approval System: Test Specification Number 3 (July 2015)  
3.2 IEC Standards

### **4. Conclusion :**

The undersigned, Inspector to Bureau Veritas, has documented his conclusions in the Report n° IR INY-2016-CH-083 issued on the 16.01.2017 and certifies that the tested

#### **Siwo-Kul Cable 1.1kV to 13.8kV**

meets the applicable requirements and all the measurement results are within the specified values for acceptance.



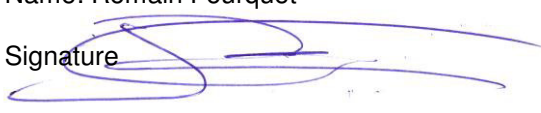
This approval remains valid as long as no significant changes are made to the facility, its production rate and its quality system. These conditions will be assessed during each inspection of series.

This approval is an integral and indissociable part of the certification process managed by Bureau Veritas as defined in BV procedure GM SI 210.

**5. Attachments :**

5.1 BV Inspection Report No. INY-2016-CH-083, dated 16.01.2017

10 pages

<p><b>Inspected by:</b> Name: Patrick Frei Signature:  Date of issue: 23.01.2017</p>		<p><b>Checked by:</b> Name: Romain Fourquet Signature: </p>
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