

2010-02-25

Test report	09/1060-1e Replaces test report 09/1060e from 2009-11-10
Test standard	EN 61034-2: 2006 Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements (IEC 61034-2:2005); German Version EN 61034-2:2005
Classification standard	EN 61034-2: 2006 Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements (IEC 61034-2:2005); German Version EN 61034-2:2005
Client	Huber + Suhner AG Mr. Hess Tumbelenstrasse 20 8330 Pfäffikon, Switzerland
Material	ENVIROFLEX_316_D, Art.-Nr. 22512281
Nominal thickness	3.2 mm

Test result

On 2009-10-13 tested cable achieved a transmission from 83.2 %.

The requirements according EN 61034-2, Annex B were fulfilled.



Michael Halfmann
(Head of Fire Testing)





Günter Strompen
(Customer Support Fire Testing)



The Fire Technology laboratory of Currenta is accredited according to EN ISO/IEC 17025 generally for fire testing. The Fire Technology is notified by Federal Railway Authorities "Eisenbahnbundesamt (EBA)", "Eisenbahn-Cert (EBC) for European Railway Systems and for French Railway systems from L'agence de certification ferroviaire (CERTIFER).

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



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Clients material description¹:

Trade name	ENVIROFLEX_316_D, Art.-Nr. 22512281
Product description	Cable
Manufacturer	Huber+Suhner AG
Data sheet no.	Remark 1
Safety data sheet no.	Remark 1
Thickness [mm]	Remark 1
Area related mass [kg/m ²]	Remark 1
Composition [%]	Remark 1
Colour	black/blue
Appearance	Remark 1
Flame-retardant treatment	Remark 1
homogenous product	Remark 1
Field of application, maybe withdrawing (wall, floor, ceiling)	Remark 1
Standard handling (glued, non glued etc.)	Remark 1
Standard backing (alloy, metal, wood etc.)	ensemble Cable
Surface to be tested?	Remark 1

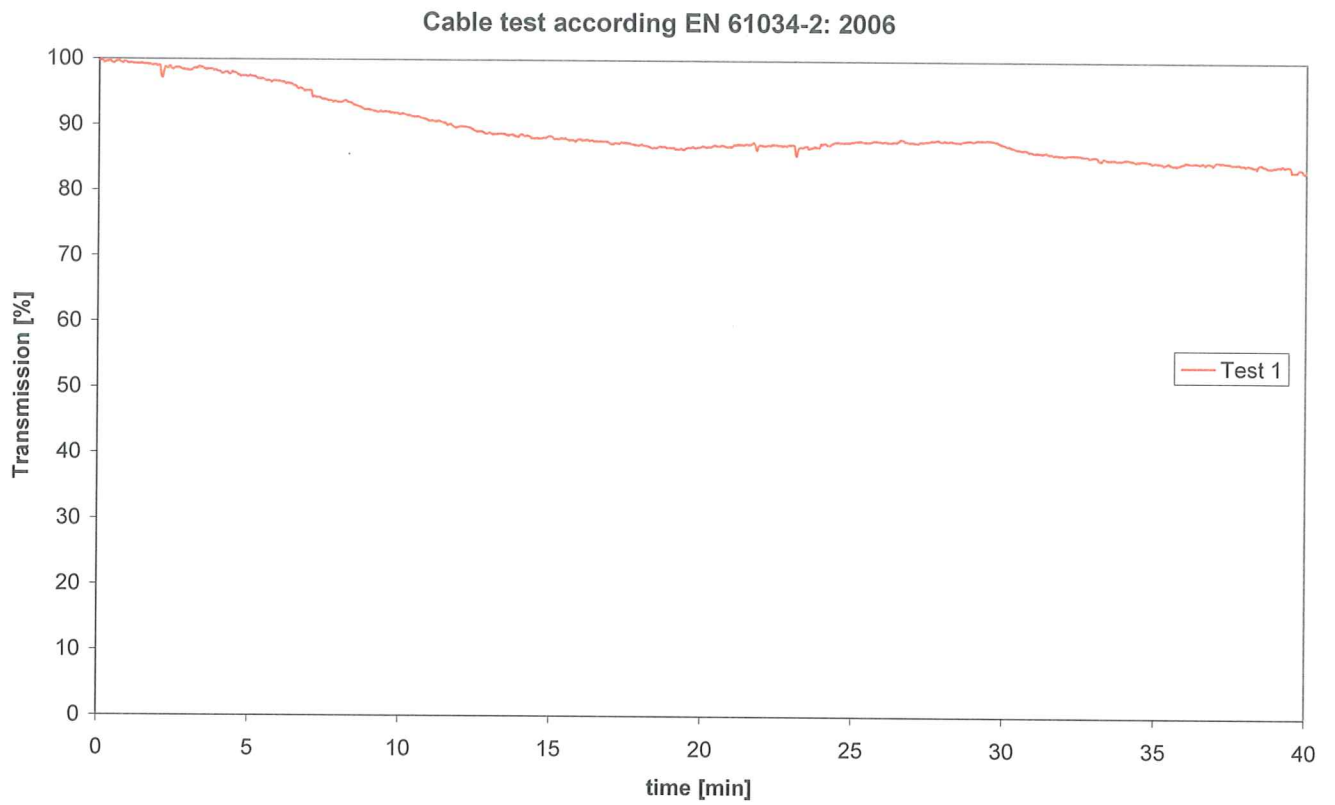
Measurements:

File-No.	L91036C
Delivery date	2009-09-25
Date of test	2009-10-13
Conditioning	> 16 h / 23 °C / 50 % r. h.
Cable length [m]	1.0
Thickness [mm]	3.2
Mass related to length [g/m]	20.3
Fire load	28 cable
Sample amount	4 bundles a. 7 cable
Colour	black/blue
Appearance of surface	outside
Operator	Christoph Michalski
Test equipment no.	L-B411-P0034

¹ Remark 1: The customer hasn't provide this information

Remark 2: The customer is unable to provide this information

Chart 1: Transmission



Transmission = 83.2%

Pictures of the samples:

