

2010-09-24

Test report	10/1309e
Test standard	EN 61034-2 : 2006 Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements
Classification standard	EN 61034-2 : 2006 Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements
Client	Huber + Suhner AG Mr. Hess Tumbelenstrasse 20 CH-8330 Pfäffikon ZH, Switzerland
Material	Coaxial cable ENVIROFLEX_400, Item 22512280
Nominal thickness	5.1 mm
Date of test	2010-09-23

## Test result

The tested cable achieved a transmission from 79.2 %.

The requirements of the EN 61034-2 were fulfilled.

  
Frank Volkenborn  
(Vice 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 description<sup>1</sup>:

Trade name	Coaxial cable
Product description	ENVIROFLEX_400, Item 22512280
Manufacturer	Huber+Suhner AG
Data sheet no.	Doc-0000177943 Y
Safety data sheet no.	Remark 1
Thickness [mm]	Remark 1
Area related mass [kg/m <sup>2</sup> ]	Remark 1
Composition [%]	Remark 1
Colour	Black/bl line
Appearance	Rund
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.)	Remark 1
Surface to be tested?	Entire cable

## Measurements:

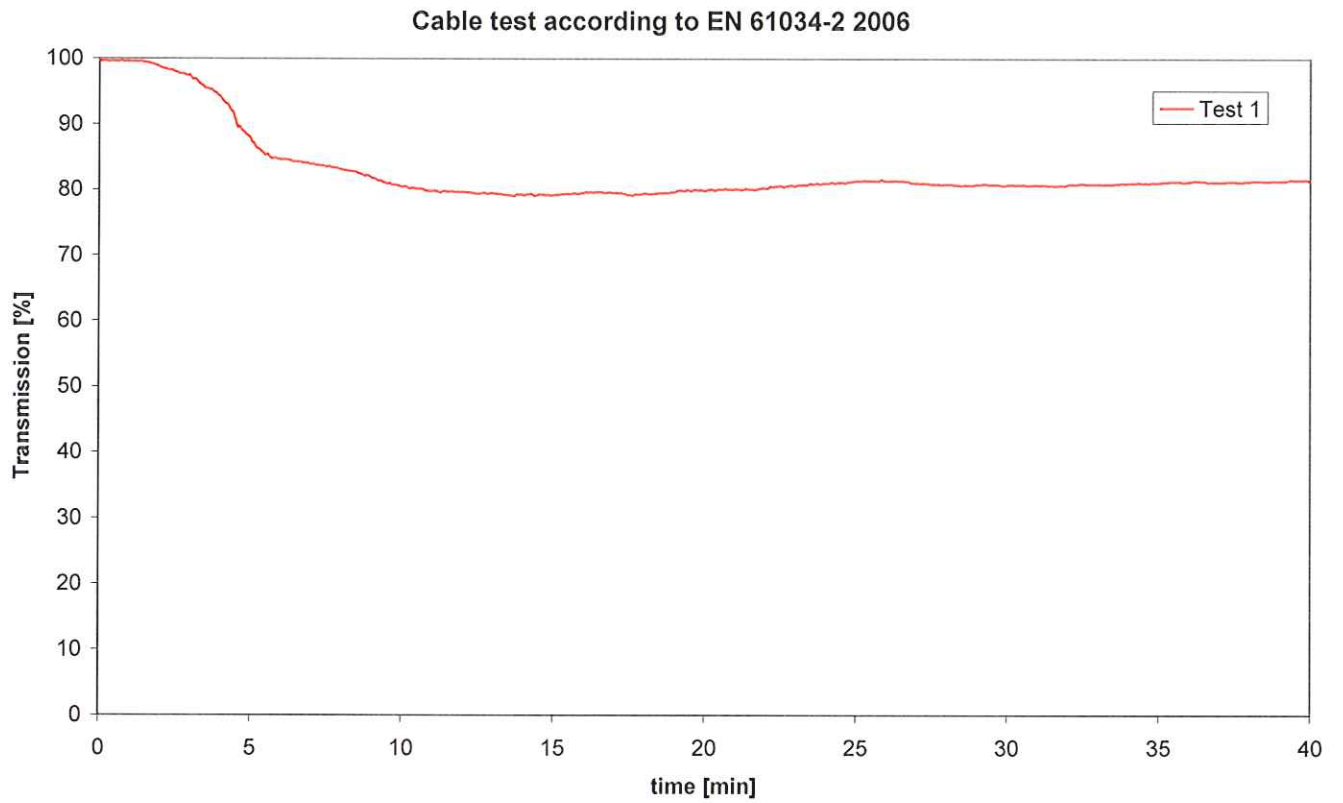
File-No.	L00945B
Delivery date	2010-09-02
Date of test	2010-09-23
Conditioning	> 24 h / 23 °C / 50 % r. h.
Cable length [m]	1.0
Thickness [mm]	5.1
Mass related to length [g/m]	52
Fire load	9 cable
Sample amount	9 cable
Colour	Black with blue line
Appearance of surface	Round cable
Operator	Christoph Michalski
Test equipment no.	L-B411-P0034
All the specimens were consumed	Yes

<sup>1</sup> Remark 1: The customer hasn't provide this information

Remark 2: The customer is unable to provide this information

Result: Transmission 79.2 %

Chart 1: Transmission



Pictures of the samples:

