



BAUR Prüf- und Messtechnik GmbH

*Raiffeisenstrasse 8
A-6832 Sulz/Austria*

*Tel. +43 / 5522 / 4941-0
Telefax +43 / 5522 / 4941-3
e-mail: headoffice@baur.at
internet: www.baur.at*

tan delta Diagnostics Report

Project

Project name: gediz kablo test

Additional information:

From Point: bornova

To Point: 940

Time: 09:14

Date: 13.05.2015

Operator Name:

Comment:

Cable Data

ID:

Type:

Manufacturer:

Nominal Voltage: 34.5

Number of Phases: 3

Name of Phase: L1

L2

L3

Year of installation: 0

Length: 430.0 m

Velocity of propagation: 82.0 m/us



Protocol of actual Measurement

Details

#	Time	Voltage kV	Current mA	tan delta E-3
1	09:20:08	20.0	1.50	1.25
2	09:20:19	20.0	1.50	1.25
3	09:20:29	20.0	1.50	1.25
4	09:20:39	20.0	1.50	1.24
5	09:20:49	20.0	1.50	1.24
6	09:20:59	20.0	1.50	1.24
7	09:21:09	20.0	1.50	1.24
8	09:21:19	20.0	1.50	1.24

Phase : L1
 Date/Time : 13-05-2015 09:21:19
 Step : 1
 Avg. Value tan delta : 1.246 E-3
 Standard Deviation : 0.002 E-3
 Number of measurements : 8
 Load : 119.1 nF
 Test object VSE current : 0 µA
 Generator VSE current : 10 µA

#	Time	Voltage kV	Current mA	tan delta E-3
1	09:22:40	30.0	2.29	2.07
2	09:22:50	30.0	2.30	2.08
3	09:23:00	30.0	2.30	2.09
4	09:23:10	30.0	2.29	2.10
5	09:23:20	30.0	2.30	2.10
6	09:23:30	30.0	2.29	2.10
7	09:23:40	30.0	2.30	2.10
8	09:23:50	30.0	2.30	2.10

Phase : L1
 Date/Time : 13-05-2015 09:23:50
 Step : 2
 Avg. Value tan delta : 2.091 E-3
 Standard Deviation : 0.011 E-3
 Number of measurements : 8
 Load : 121.9 nF
 Test object VSE current : 0 µA
 Generator VSE current : 16 µA

#	Time	Voltage kV	Current mA	tan delta E-3
1	09:25:11	39.9	3.05	4.02
2	09:25:21	39.9	3.05	4.04
3	09:25:31	39.9	3.05	4.04
4	09:25:41	39.9	3.06	4.00

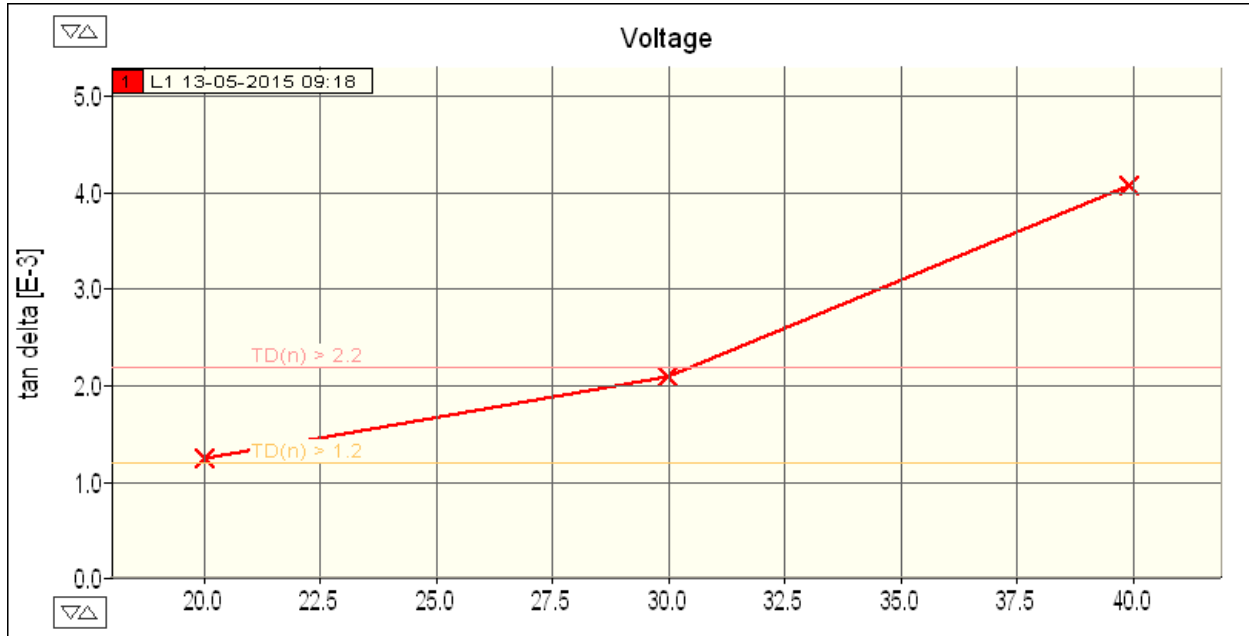
5	09:25:51	39.9	3.05	4.03
6	09:26:01	39.9	3.06	4.10
7	09:26:11	39.9	3.05	4.15
8	09:26:22	39.9	3.06	4.22

Phase : L1
Date/Time : 13-05-2015 09:26:22
Step : 3
Avg. Value tan delta : 4.074 E-3
Standard Deviation : 0.071 E-3
Number of measurements : 8
Load : 121.9 nF
Test object VSE current : 0 μ A
Generator VSE current : 20 μ A

----- Measurement Stopped -----



Measurement



Cable with high operating risk!

Evaluation

Name of Evaluation	XLPE
<i>Criterion</i>	<i>Comment</i>
TD(n+1)-TD(n) > 0.0	Cable with very high operating risk. Measurement cancelled!
TD(n) > 0.0	Cable with very high operating risk. Measurement cancelled!
TD(n+1)-TD(n) > 1.0	Cable with high operating risk!
TD(n) > 2.2	Cable with high operating risk!
TD(n+1)-TD(n) > 0.6	Cable with operating risk!
TD(n) > 1.2	Cable with operating risk!
No criterion matches	Cable can be returned to service



BAUR Prüf- und Messtechnik GmbH

Raiffeisenstrasse 8
A-6832 Sulz/Austria

Tel. +43 / 5522 / 4941-0
Telefax +43 / 5522 / 4941-3
e-mail: headoffice@baur.at
internet: www.baur.at

Partial Discharge Diagnosis Report

Project

Project name: gediz kablo test
Additional information:
From Point: bornova
To Point: 940

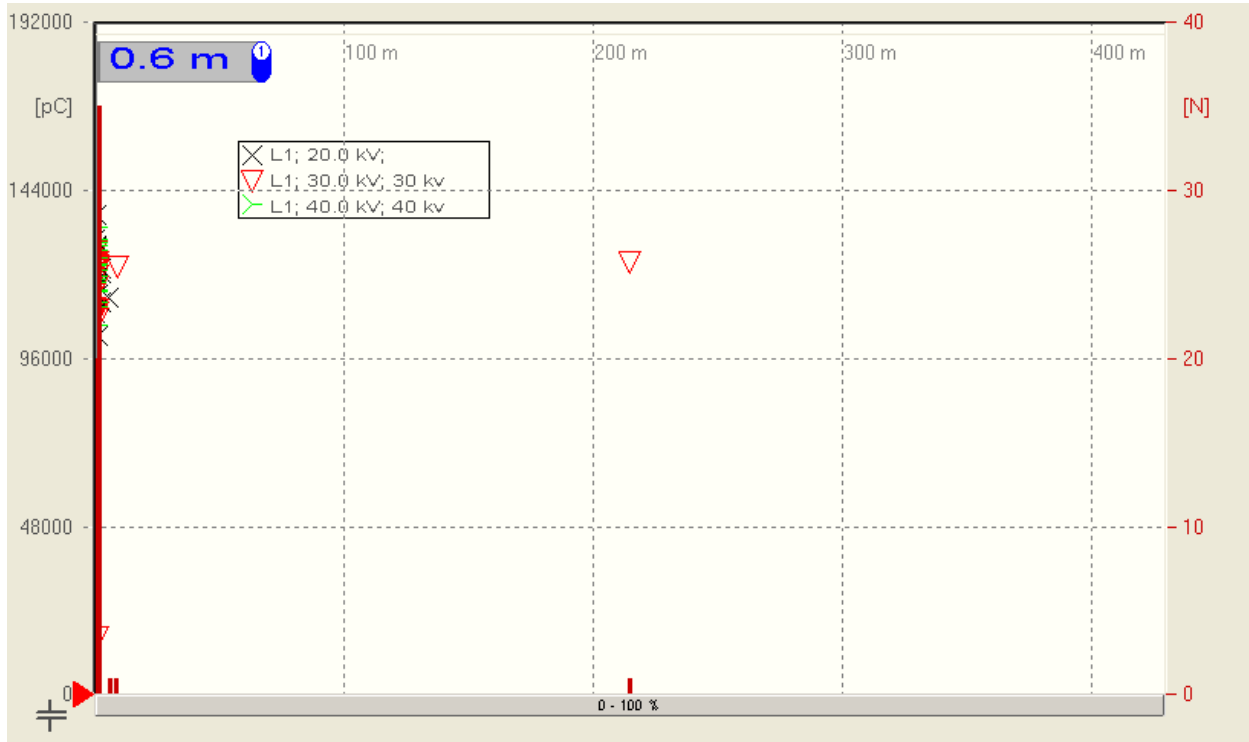
Operator Name:
Comment:

Cable Data

ID:
Type:
Manufacturer:
Nominal Voltage: 34.5
Number of Phases: 3
Name of Phase: L1
L2
L3
Year of installation: 0
Length: 430.0 m
Velocity of propagation: 81.1 m/us



Measurement



Snapshot details

- 1 L1; truesinus®; 20.00 kV; 0.1 Hz; 13.05.2015 09:54:18; 20.0 kV;
- 2 L1; truesinus®; 30.00 kV; 0.1 Hz; 13.05.2015 09:55:17; 30.0 kV; 30 kv
- 3 L1; truesinus®; 40.00 kV; 0.1 Hz; 13.05.2015 09:56:25; 40.0 kV; 40 kv