

Report

Project Designation

Environmental - mechanical tests and optical
measurements acc. to Telcordia GR – 326 –
CORE on singlemode optical connectors

Client

ELDI s.r.o.
Vajnorska 134
93104 Bratislava

Order from / No 8 October 2007 /4BE 090B-07

Project number 2.03.00821.1.0 Test Engineer Ing. Robert Meier

Date of issue	24 April 2008
Total number of issues / No	1 / 1
Number of pages	28
Annex: number of pages	0

The results relate exclusively to the terms tested.

This report may only be reproduced or published in full, without omissions, alterations or additions.

The reproduction or publishing of extracts from this report require the written approval of the research center.

Project description

Following tests on single mode optical connectors were performed according to Telcordia Technologies Generic Requirements GR- 326 - CORE:

Environmental tests:

Thermal Age acc. to Telcordia 5.4.1
Thermal Cycle Part 1 acc. to Telcordia 5.4.2
Humidity Age acc. to Telcordia 5.4.3
Humidity / Condensation Cycle 5.4.4
Dry-out Step acc. to Telcordia 5.4.5
Thermal Cycle Part 2 acc. to Telcordia 5.4.6

Mechanical tests and optical Measurements:

Vibration test acc. to Telcordia 5.5.1
Ferrule Endface Geometrie acc. to Telcordia 5.1
Connector Installation acc. to Telcordia 5.2
Initial Measurement with Cleaning Proc. A acc. to Telcordia 5.3
Twist Test acc. to Telcordia 5.5.3
Transmission with applied Tensile Load acc. to Telcordia 5.5.4
Impact Test acc. to Telcordia 5.5.5
Durability acc. to Telcordia 5.5.6

Date of delivery: 29 October 2007

Date of test: 29 October 2007 – 4 April 2008

Test Result

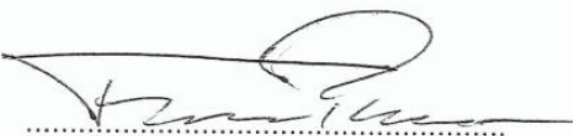
The samples passed all above mentioned tests.
The results of all optical measurements were within the tolerances acc. to Telcordia Technologies Generic Requirements GR - 326 - CORE.

Project Engineer

Head of Business Field



.....



.....

Test and Test Description

Environmental and vibration tests acc. to Telcordia GR-326-Core:

Testobjects

According to our client ELDI s.r.o. all tested Pigtails, Patchcords and Cable assembly types have been of the same types as those which

- Company PAT tel has delivered to Telecom - Slovenia
- ELDI group (ELDI/Slovakia and ELDI/Austria) has delivered to PAT tel.

The connectors, terminated cables and cable assemblies have been manufactured in the factory of company: xxxxxxxxxxxxxxxxxxxx

1. LC/APC - LC/APC Simplex G652.d 6m
2. SC/UPC - LC/APC Simplex G652.d 6m
3. SC/UPC - LC/APC Simplex G652.d 9m
4. SC/UPC - SC/UPC Simplex G657A 10m
5. 1xSC/UPC+1xSC/APC - 1xSC/UPC+1xSC/APC G657A Duplex 10m
6. 1xSC/UPC+1xSC/APC - 1xSC/UPC+1xSC/APC G652.d Duplex 60m

Test equipment

Climate chamber Heraeus Vötsch, VCT 7048-10K
Electrodynamic Vibration Exciter System LDS V864 HT-440

Insetion and Reflection testing machines:

EXFO IQS-12001B, SN-424922

Back reflection Meter JDSU RM3750+1FA7, SN: HE005626

Back reflection Meter JDSU RM3750+1FA7, SN: HE005625

3D interferometer testing machines:

DORC ZX MINI, SN: 2365857 Reference connector, SN: 659 /manufacturer: DORC/

DORC ZX ARRAY, SN 2365860A Reference connector, SN: 337 /manufacturer: DORC/