FUJIKURA FIBER OPTICS VIETNAM LTD.

TECHNICAL REPORT

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Record No (get by EIC program): 4-Pr-007-4-Fo-0006-4-RC-0262	Date: 15-May-2024

Report title: 2024 ORT test report for AFL connector in May

Prepared by: PhungTK	Checked by: TanNDD	Reviewed by Technical Advisor (if any)	Approved by: BanNT
20-Aug-24	23-Aug-24		24-Aug-24

I. Background:

Customer requested FOV to proceed the quarterly ORT test to ensure the adhesive inside ferrule at ferrule injection process and the crimping force of clamping at Housing process are good.

Apply for the product below:

No	Code	Name	Spec (WD)	Q'ty	Note
1	CAS0906	Senko LC Uniboot Unassemble, SM STD 125um, Blue with 2mm Mini Black Boot (94D-153-1C3-H01)	ENH22-060 (94D-XXX-XCX-H01)revA L14	20 pcs	Using ferrule only
2	CCA2360	Test for D8041 with length 3000mm fanout 500mm, STD, separate tube	HS-B-2301-0275-11	20 cores	-

II. Conclusion:

Customer will review the data and judge by test report.

FOV make the samples and submit the result as two tables below.

Table 01: Result of the test 1

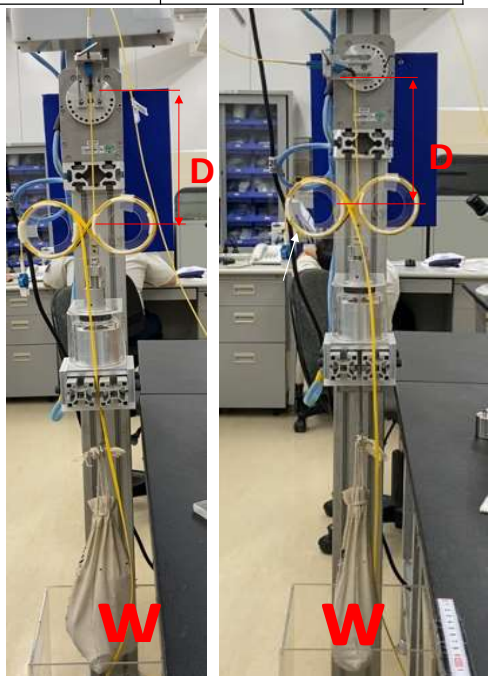
Item No.	Inspection item	Criteria	Test method	Judgment	Remark
1	Check adhesive inside ferrule at ferrule injection process	+ Air buble d max ≤ 0.3 mm, quantity ≤ 1pc + Adhesive fullfil inside ferrule	Follow internal FOV control document # 000-5-WI-037-4-CS-0001	PASS	Refer sheet <<Test 1 – Ferrule adhesive>>

Table 02: Result of the test 2

Item No.	Inspection item	Criteria	Test method	Judgment	Remark
1	Check crimping force of clamping at Housing process	ΔIL < 0.5 dB before & after test	GR-326-CORE Section 4.4.3.4	PASS	Refer sheet <<Test 2 – Loss data>>

Detail of the test method:

GR-326-CORE Section 4.4.3.4:
Take new sample
a. Mount the test sample in the test facility.
b. Measure IL & RL before testing
c. Connect connector into adapter and wrap cord in part wrap cord so that the distance from end of test sample to center of capstan should be within D (22~28cm)
Straight pull:
d. Apply external load W so that the total load is 4.5 kgf at 0° for at least 5 seconds
e.Remove the load and, after at least 10 seconds, measure IL & RL after testing
90° Side pull:
f. Apply external load W so that the total load is 2.3 kgf or 3.4 kgf at 90° for at least 5 seconds
g. Remove load, after at least 20 seconds, measure IL & RL after testing



Straight pull Side pull

III. Analysis (Yield ratio, Productivity, Cpk, Process Reliability, product's reliability...):

N/A

IV. Appendix standardization (revised quality documentation):

N/A

V. Others:

N/A