

UNCLASSIFIED

JAN 31 1956

STANDARD SYSTEMATIC DECLASSIFICATION REVIEW

Review Date: 11/03/98
 Authority: ADC ADP WClayne
 Reviewer: (NOT REQUIRED)
 Name: 817497
 Per: DOE/SD memo
 Comments: OK for O permit
 TCG-NNT-1

T,3.2
 Case No. 720.00
 Ref. Sym: 1611
 Project No. ET-3143
 Completed 1/20/56

RECEIVED
 JAN 31 1956
 R & D FILES

TO: DISTRIBUTION

Re: Proof Test of TMS CF-1269 Cable Assemblies, Dwg. No. 353137-A

Object of Test

The object of the test was to determine whether the objects tested would meet the specifications.

Authorization for Test

WORK ORDER AUTHORIZATION REVIEW

Carroll Galloway 12/16/98 U
 WClayne
 WClayne 12/16/98
 99SN0283
 DATED: 11/3/98

The test was requested by Division 1634 in a Work Order Authorization dated January 18, 1956. Mr. D. F. Macrae was the consultant.

Specifications

Note 2, Dwg. No. 353137-A specifies that the cable connectors shall withstand a proof load, with load being applied by holding the cable and loading on the connector, of 10 pounds and the cable shall not exceed 0.050-inch movement from the connector.

A dielectric test shall also be performed. The cable shall withstand a 1.7 KV AC, RMS potential between the shield and the inner conductor for a time period of one minute with the current through the dielectric not to exceed 0.3 milliamperes.

Procedure and Results

The equipment used for the test was the Instron Tensile testing machine and a 5 KV AC high potential tester.

The cables were proof loaded by securing the cable, three inches from the connector, in the upper crosshead of the testing machine and securing the connector in the lower crosshead. The three assemblies were proof loaded to 10 pounds each, and there was no evident movement of the cables from the connectors.

In the dielectric test of the three cables, the cable assemblies were tested to 1.7 KV AC as specified and there was no evidence of current leakage.

One assembly was tested to failure. The breakdown voltage was 2.8 KV AC.

The assemblies met the specifications.

UNCLASSIFIED

CDL No. BB
 ACCUMULATED CARD C-10
 FILE NO. J-3
 (C7)

JAN 21 1956

UNCLASSIFIED

Ref. Sym: 1611
Project No. ET-3143

To: Distribution

- 2 -

Test Conducted by *J. A. Perry* J. A. PERRY 1611-5Approved by *G. P. Barnett* G. P. BARNETT - 1611-5

JAP:1611-5:dr

Copy to:

D. W. Ballard, 1634
T. B. Morse, 1610
G. C. McDonald, 1630
D. Williams, Jr., 1611
R. E. Fisher, 1621
R. O. Frantik, 5131
C. L. Gomel, 5523
R. K. Smeltzer, 7222-2
F. C. Hale, 7222-3
Attn: Tech. Ref. File
R. L. Brin, 1241

UNCLASSIFIED