



1. Effectivity

All Aircraft owners, operators, manufacturers, parts distributors and maintenance personnel.

2. Purpose

Provide an alert to the existence of unapproved Strandflex cables which can be incorporated into aircraft flight and engine control systems.

3. Background

Much of this information originally appeared in CASA Airworthiness Advisory Circular (AAC) 1-117.

The FAA has raised an Unapproved Parts Notification (UPN) to alert industry to the existence of non-conforming aircraft flight and engine control cables manufactured by Strandflex Cable, a division of Maryland Specialty Wire, Oriskany, NY during the period from 1991 through 1998.

Test results obtained by the FAA indicate that cable purchased from Strandflex failed to meet quality inspection and endurance tests in accordance with MIL-W-83420. During one such test the cable failed at 659lbs, well below the 1,056lbs required by MIL-W-83420 specification. A visual inspection revealed that kinks were also present in the cables, which are not permitted by the specification.

4. Recommendations

All Aircraft owners, operators, manufacturers and maintenance personnel are advised to inspect their aircraft records and/or aircraft parts inventory for cables manufactured by Strandflex Cables manufactured between 1991 to 1998, the period when Strandflex were not testing their cables.

Suspect cables should be inspected for conformity to MIL-W-83420 and any installed cable not meeting the specification should be removed from service.

5. Reporting

Report finding any suspect cable manufactured by Strandflex found installed in an aircraft or in existing aircraft stock intended for installation on an aircraft via the CASA defect reporting system.



Unapproved Parts Notification –
Strandflex Cables

AWB 01-029 **Issue** : 1
Date : 17 September 2014

6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

AirworthinessBulletin@casa.gov.au

or in writing, to:

Airworthiness and Engineering Standards Branch
Standards Division
Civil Aviation Safety Authority
GPO Box 2005, Canberra, ACT, 2601