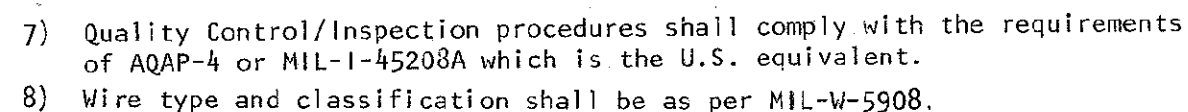


**THE DE HAVILLAND AIRCRAFT OF CANADA, LIMITED**

| Type | Class | Awg                            | Nominal<br>Conductor<br>Dia. (inch) | Nominal<br>Conductor Area<br>(Circular Mils) | Max. Dia. of<br>Wire (inches) | Number of<br>Strands (min.) | Weight<br>Lb. Max. | Approved Source<br>Teledyne Thermatics |
|------|-------|--------------------------------|-------------------------------------|----------------------------------------------|-------------------------------|-----------------------------|--------------------|----------------------------------------|
| 1    | E     | 12                             | 0.096                               | 6530                                         | 0.340                         | 19                          | -                  | 12718/1a Thermatics                    |
|      |       | 14                             | 0.080                               | 4107                                         | 0.300                         | 19                          | -                  | 12718/2 Rev. A                         |
|      |       | 16                             | 0.063                               | 2583                                         | 0.260                         | 19                          | -                  | 12718/3                                |
|      |       | 18                             | 0.048                               | 1624                                         | 0.230                         | 7                           | -                  | 12718/4                                |
|      |       | 20                             | 0.039                               | 1021                                         | 0.190                         | 7                           | -                  | 12718/5                                |
| 1    | G     | 12                             | 0.096                               | 6530                                         | 0.355                         | 19                          | -                  | 12718/6                                |
|      |       | 14                             | 0.080                               | 4170                                         | 0.315                         | 19                          | -                  | 12718/7                                |
|      |       | 16                             | 0.063                               | 2583                                         | 0.275                         | 19                          | -                  | 12718/8                                |
|      |       | 18                             | 0.048                               | 1624                                         | 0.245                         | 7                           | -                  | 12718/9                                |
| 5    | B     | 18-<br>Copper<br>14-<br>Const. | 0.048-Copper<br>0.080-Const.        | 0.280                                        | 14-Copper<br>39-Const.        | 50/1000 ft.                 | 12718/10           |                                        |
| 1    | F     | 16                             | 0.063                               | 2583                                         | 0.275                         | 19                          |                    | 12718/11                               |

- 1) The wire shall meet all the requirements of MIL-W-5908 with the exception that materials used shall contain no asbestos fibre, braid or wrap.
- 2) The wire shall meet the flammability requirements of FAR 25.1359(d) up to Amend 51.
- 3) The Procurement Department shall specify the DSC and the manufacturer's part no. on the purchase order.
- 4) The wire shall be marked with the DSC no. and the manufacturer's federal code.
- 5) A Certificate of Compliance shall accompany each shipment.
- 6) Sample of Part No. DSC395 - 1 - E - 12



ONLY THE ITEM(S) LISTED ON THIS DRAWING AND IDENTIFIED BY VENDOR'S NAME(S)  
ADDRESS(ES) AND PART NUMBER(S) HAVE BEEN APPROVED BY THE DE HAVILLAND AIR-  
CRAFT OF CANADA LTD FOR THE USE IN DHC AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT  
BE USED WITHOUT PRIOR APPROVAL BY THE DE HAVILLAND AIRCRAFT OF CANADA LTD.

|             |                   |           |
|-------------|-------------------|-----------|
| DRAWN       | B. EDWARDS        | 4 SEPT 88 |
| CHECKED     | KROMKAMP          | 10 NOV 88 |
| APPROVED    | K. J. [Signature] | 26 NOV 88 |
| MTL & STDS  | SCHWARTZ          | 3 DEC 88  |
| STRESS      | [Signature]       | 24 NOV 88 |
| CH. DRAFTN. |                   |           |

|                                                           |          |             |         |      |
|-----------------------------------------------------------|----------|-------------|---------|------|
| DRAWING TITLE                                             |          |             |         |      |
| Wire, Electrical<br>Copper and Constantan<br>Thermocouple |          |             |         |      |
| CODE IDENT NO.                                            | DWG SIZE | DRAWING NO. | RELEASE | REV. |
| 71867                                                     | B        | DSC 395     |         | B    |
| SCALE                                                     | WGT CALC | ACTUAL      | SHEET   |      |