

SCOPE

This specification covers the requirements for "FULLY LAMINATED ROUND TWIST N' FLAT CABLE" for use in insulation displacement contact (IDC) and shall be the basis for acceptance at CAE Electronics Ltd., Montreal.

APPLICABLE DOCUMENT

Spectra Strip

159-2699-97X ROUND TWIST N' FLAT CABLE
Date: November 11, 1995 Rev A

CONSTRUCTION (see table 2 and figure 1)

The cable furnished under this specification shall consist of an inner cable of insulated stranded round conductors, laminated twisted pairs at every 16" and 4" flat with conductors on controlled spacing of .050" +/- .005 suitable for IDC mass termination methods. The twist portion has alternating slit and unslit sections. The TWIST N' FLAT CABLE shall be folded into a round shape and covered with an extruded jacket

- CONDUCTOR : 26-7/34 AWG tinned copper
- INSULATION : .009" PVC
- LAMINATE : .005" CLEAR PVC TOP
- COLOR CODE : .005" CLEAR PVC BOTTOM
- WRAPPING : See Table 2
- JACKET : Polyester Tape Wrap
- TEMPERATURE RATING : Black PVC, .030" Wall
- APPROVALS : -20 TO 105°C
- : 159-2699-97X, UL Listed Type CL2, CSA
- : Certified AMM FT-1

Note: Inner cable to be printed on 5 mil laminate side
-CABLE SHOULD BE SUPPLIED WITH A MARK RECORD.

ELECTRICAL

- VOLTAGE RATING : 300 Volt
- IMPEDANCE : 80 ohms
- CAPACITANCE : 20 pF/ft at 1 Mhz
- INDUCTANCE : .21 uh/ft at 1 Mhz
- PROPAGATION DELAY : 1.65 ns/ft
- INSULATION RESISTANCE : 10 ohms-10 ft, min
- CURRENT : 1.7 AMPS @ 10°C ABOVE AMBIENT
- XC RESISTANCE : 37 OHMS PER 1000 FT MAX.

5.0 WORKMANSHIPS

The product shall be carefully examined visually. There shall be no evidence of loose, burred, or nicked conductors, severely nicked or punctured insulation, nor any peeling, wrinkling or contamination.

6.0 MARKING

Each reel shall be marked with the following information:

- CAE part number (PS288908.XX.5.122)
- Manufacturer's name
- CAE purchase order number
- length of cable in feet

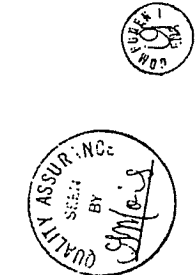
7.0 PREPARATION FOR DELIVERY

Each reel or spool shall contain one continuous length of 250 feet or three lengths maximum with no lengths to be less than 50 feet. Maximum 500 feet per reel. Both ends of cable should be exposed for continuity test.

The method of preservation, packaging and packing shall adequately protect the cable from damage or degradation of performance due to the natural and induced environments encountered during the transportation and subsequent indoor storage.

RELEASE		REVISIONS	
DATE	BY	DESCRIPTION	DATE
12/15/95	AW	SEE EDR 303577 MCOOP	21 DEC 95
12/15/95	AW	SEE EDR 304285 MCOOP	21 DEC 95
12/15/95	AW	SEE EDR 304313 MCOOP	15 NOV 96

REPORT ALL ERRORS TO D.O. | IF IN DOUBT - ASK.



Ref. Mapp: 4792853

UNLESS OTHERWISE SPECIFIED	TOLERANCES		ANGLE
	.XX	.XXX	
	+	+	+
MATERIAL			
FINISH			

CONTRACT	Equipment
OWN	A. B. M. 21 Dec 95
CHK	B. G. M. 21 Dec 95
APPD (D.O.)	
APPD	
APPD	M. D. P. 21 Dec 95
DWG GRADE	

CAE ELECTRONICS LT	
MONTREAL	CANADA
CABLE FLAT RIBBON ROUND TWIST N' FLAT	
SIZE	CODE IDENT NO.
B	35181
SCALE	SHEET / OF
	<i>Tabulated</i>
	PS288908.01.5.1

SUGGESTED SOURCE OF SUPPLY	
VENDOR P/N	SEE TABLE
VENDOR NAME	AMPHENOL CORP
CAGE CODE	SPECTRA STRIP OPERATION 08261
ADDRESS	720 SHERMAN AVENUE HAMDEN, CT 06514
TEL	(203) 281-3200 FAX (203) 281-5872

REPORT ALL ERRORS TO D.O. | IF IN DOUBT - ASK.

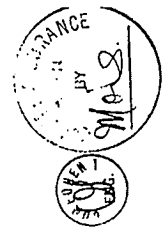
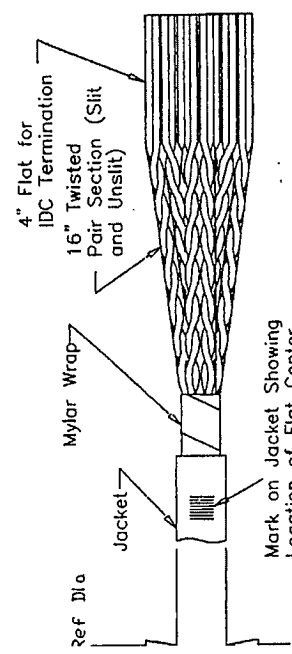
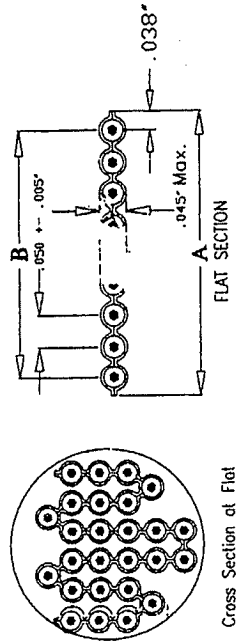
RELEASE		REVISIONS	
LTR/SIM	DESCRIPTION	DATE	CI
-	See Sheet 1	08 DEC 95	
A	SEE SHEET 1	21 DEC 95	
B	SEE SHEET 1	20 Feb 96	
C	SEE SHEET 1	15 MAY 96	

TABLE 2 - PAIRS COLOR CODING

PAIR NUMBER	COLOR PAIRING
1	11 21 31
2	BROWN PAIRED WITH TAN
3	RED PAIRED WITH TAN
4	ORANGE PAIRED WITH TAN
5	YELLOW PAIRED WITH TAN
6	GREEN PAIRED WITH TAN
7	BLUE PAIRED WITH TAN
8	VIOLET PAIRED WITH TAN
9	GRAY PAIRED WITH TAN
10	WHITE PAIRED WITH TAN
11	BLACK PAIRED WITH TAN

TABLE 1 - CONSTRUCTION

CAE PART NUMBER	SPECTRA STRIP	NO. OF PAIRS	WIDTH "A"	SPAN "B"	REF. DIA.
PS288908.01.5.122	159-2699-973	5	.526	.450	.230
PS288908.02.5.122	159-2699-974	8	.826	.750	.280
PS288908.03.5.122	159-2699-975	13	1.326	1.250	.340
PS288908.04.5.122	159-2699-976	25	2.526	2.450	.450
PS288908.05.5.122	159-2699-977	36	3.626	3.550	.528



CAE ELECTRONICS LT		MONTREAL CANADA	
TITLE: CABLE FLAT RIBBON ROUND TWIST N' FLAT			
SIZE: B	CODE IDENT NO. PS288908.01.5.1	SCALE: 7.95x	
CONTRACT: <i>General</i>		DATE: <i>6 Dec 95</i>	
BY: <i>A. Henry</i>		CHK: <i>B. Gagnon</i>	
APP: <i>(B.G.)</i>		APP: <i>(B.G.)</i>	
APP: <i>M.P.L.</i>		DWS GRADE: <i>(B.G.)</i>	
MATERIAL: <i>Genl.</i>		FINISH: <i>USED ON</i>	
NEXT ASSY: <i>Genl.</i>		APPLICATION:	