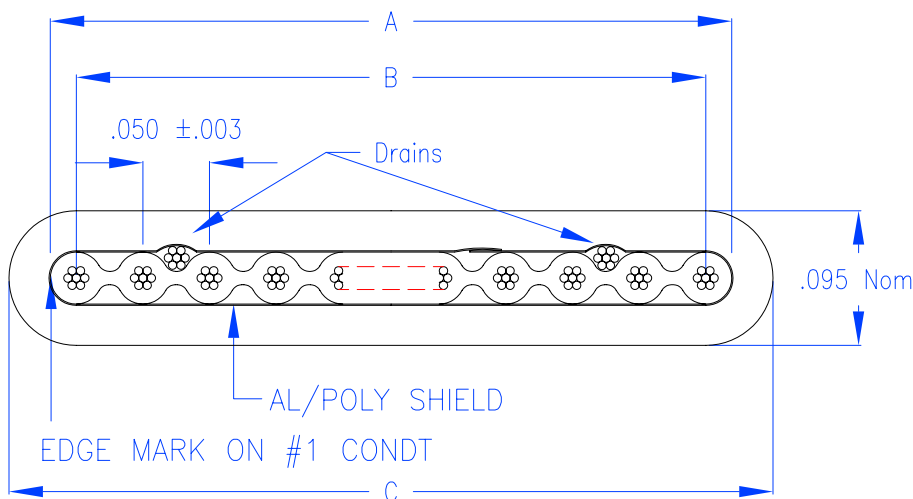




All Dimensions in Inches Unless Otherwise Noted

#### PHYSICAL

Conductors: 28 AWG 7/36 Tinned Copper  
 Insulation: .010" Gray PVC  
 Shield: .001" Aluminum/Polyester  
 Drain: Two 28 AWG 7/36 Tinned Copper  
 Temperature Rating: 105°C  
 Jacket: .030" Nom Black PVC

#### ELECTRICAL

Impedance: 70 ohms<sup>1</sup> 50 ohms<sup>2</sup>  
 Capacitance: 40 pF/ft<sup>1</sup> 50pF/ft<sup>2</sup> @ 1 MHz  
 Propagation Delay: 1.6 ns/ft  
 Voltage Rating: 300 V  
 Current Rating: 1 A at 10°C Rise Above Ambient  
 Insul. Resistance: 10<sup>10</sup> ohms – 10 ft MIN.

| Part Number  | Count | A Span, Inches(mm) | B Span, Inches(mm)       | C Span |
|--------------|-------|--------------------|--------------------------|--------|
| 151-2831-009 | 9     | .450(11,43) Nom    | .400±0.007(10,16±0,18)   | .510   |
| 151-2831-010 | 10    | .500(12,7) Nom     | .450±0.007(11,43±0,18)   | .560   |
| 151-2831-014 | 14    | .700(17,78) Nom    | .650 ±0.007(16,51±0,18)  | .760   |
| 151-2831-016 | 16    | .800(20,32) Nom    | .750 ±0.011(20,32±0,28)  | .860   |
| 151-2831-020 | 20    | 1.000(25,40) Nom   | .950 ±0.011(24,13±0,28)  | 1.060  |
| 151-2831-024 | 24    | 1.200(30,48) Nom   | 1.150 ±0.011(29,21±0,28) | 1.260  |
| 151-2831-025 | 25    | 1.250(31,79) Nom   | 1.200 ±0.011(30,48±0,28) | 1.310  |
| 151-2831-026 | 26    | 1.300(33,02) Nom   | 1.250 ±0.011(31,75±0,28) | 1.360  |
| 151-2831-034 | 34    | 1.700(43,18) Nom   | 1.650 ±0.011(41,90±0,28) | 1.760  |
| 151-2831-036 | 36    | 1.800(45,72) Nom   | 1.750 ±0.015(44,45±0,38) | 1.860  |
| 151-2831-037 | 37    | 1.850(46,99) Nom   | 1.800 ±0.015(45,72±0,38) | 1.910  |
| 151-2831-040 | 40    | 2.000(50,80) Nom   | 1.950 ±0.015(49,53±0,38) | 2.060  |
| 151-2831-050 | 50    | 2.500(63,50) Nom   | 2.450 ±0.015(62,23±0,38) | 2.560  |
| 151-2831-060 | 60    | 3.000(76,20) Nom   | 2.950 ±0.015(74,93±0,38) | 3.060  |
| 151-2831-064 | 64    | 3.200(81,28) Nom   | 3.150 ±0.015(80,01±0,38) | 3.260  |

<sup>1</sup>Above values measured Ground–Signal–Ground  
<sup>2</sup>Above values measured Ground–Signal–Ground  
 with Shield also Grounded

Approvals: UL CL2 105°C  
 CSA AWM FT–1

|                  |          |    |     |        |                                        |                                                                                                           |        |
|------------------|----------|----|-----|--------|----------------------------------------|-----------------------------------------------------------------------------------------------------------|--------|
| DRAWN            | PROD ENG | QA | MKT | P/ECN# | DRAWING NO.                            | <b>AMPHENOL SPECTRA-STRIP</b><br>720 SHERMAN AVE TEL (203) 281–3200<br>HAMDEN CT 06514 FAX (203) 281–5872 | Rev H  |
| FITTS<br>8/30/99 | 3/7/07   |    |     | 1094   | TITLE: Jacketed, Shielded Planar Cable |                                                                                                           | Sheet  |
|                  |          |    |     |        | with Zip Inner                         |                                                                                                           | 1 of 1 |