

DRAWING MADE IN THIRD ANGLE PROJECTION

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1. CONSTRUCTION:

1.1 CENTER CONDUCTOR

- 1.1.1 #28 AWG, .0126 NOM DIA, SOLID COPPER PER ASTM-B-33
- 1.1.2 ELONGATION 15% MIN
- 1.1.3 INSULATION COATING=ALKYD BAKED ENAMEL

1.2 DRAIN CONDUCTOR

- 1.2.1 #28 AWG, .0126 NOM DIA OR #30 AWG, .010 NOM DIA, SOLID, TIN PLATED COPPER PER ASTM-B-33
- 1.2.2 ELONGATION 15% MIN
- 1.2.3 DRAIN AND CENTER CONDUCTORS ARE COPLANAR WITHIN $\pm .010$, RELATIVE TO CENTERLINE OF THE JACKET.

1.3 DIELECTRIC

- 1.3.1 MATERIAL=POLYPROPYLENE, SOLID
- 1.3.2 DIELECTRIC CONSTANT=2.3 REF
- 1.3.3 DIELECTRIC DIA=.041 NOM

1.4 SHIELD

- 1.4.1 MATERIAL=ALUMINIZED POLYESTER FOIL
- 1.4.2 THICKNESS=.00135 NOM, .00035 NOM ALUMINUM THICKNESS

1.5 OUTER JACKET

- 1.5.1 MATERIAL=FR POLYVINYL CHLORIDE (PVC), DUROMETER SHORE "A" 85-90 AS SHOWN IN CONFIGURATION.
- 1.5.2 COLOR=BLACK PER EIA STD RS-359
- 1.5.3 WALL THICKNESS=SEE DETAIL A.

2. ELECTRICAL REQUIREMENTS:

- 2.1 CHARACTERISTIC IMPEDANCE= 50 ± 3 OHMS
- 2.2 CAPACITANCE= 31.0 ± 1.0 pf/FT
- 2.3 PROPAGATION DELAY < 1.6 NANO SEC/FT
- 2.4 RISE TIME DEGRADATION < 400 PICO SEC/10 FT, 20-80% LEVELS
- 2.5 ATTENUATION < 14 db/100 FT AT 100 MHZ
- 2.6 CROSS TALK CONSTANTS-ADJACENT PAIR-KF<.002 NANO SEC/FT

-KB<.1%

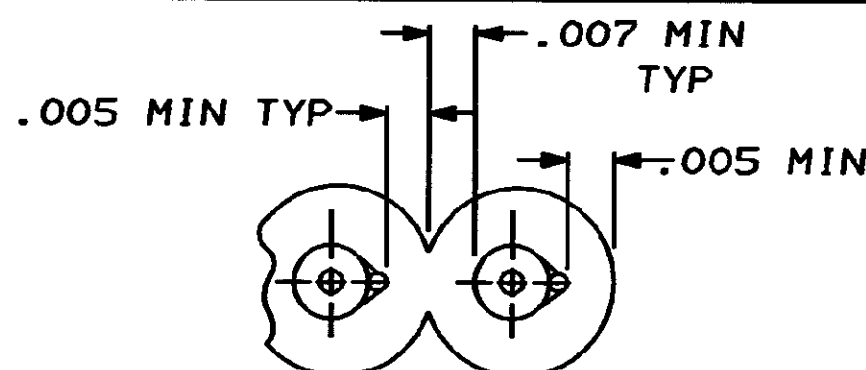
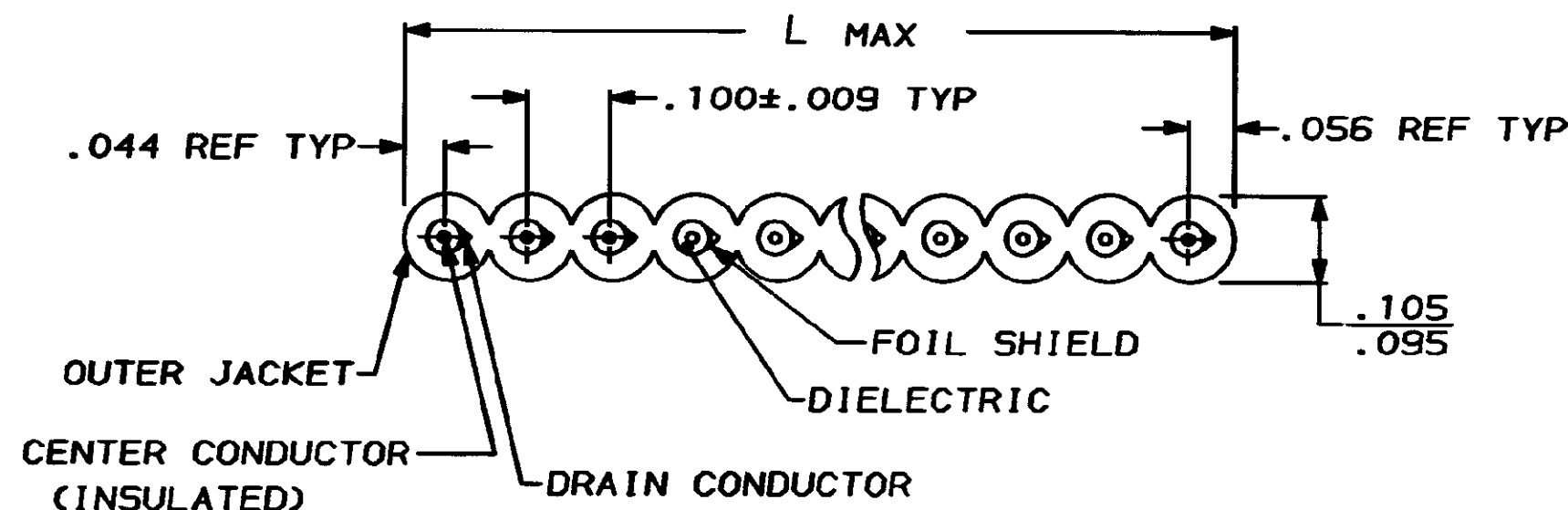
ALL OTHER LINES-KF<.0005 NANO SEC/FT

-KB<.05%

- 2.7 DC RESISTANCE OF CENTER AND DRAIN CONDUCTORS=72.9 OHMS MAX PER 1000 FT AT 20°C

3. STRIPPING:

3.1 STRIP PER AMP I.S. 2577



DETAIL A

4. GENERAL REQUIREMENTS:

1.1 CAMBER

- 1.1.1 CAMBER TO BE 1.50 MAX PER 36.00 LENGTH OF CABLE.

2.525	25	2-226298-5
2.425	24	2-226298-4
2.325	23	2-226298-3
2.225	22	2-226298-2
2.125	21	2-226298-1
2.025	20	2-226298-0
1.925	19	1-226298-9
1.825	18	1-226298-8
1.725	17	1-226298-7
1.625	16	1-226298-6
1.525	15	1-226298-5
1.425	14	1-226298-4
1.325	13	1-226298-3
1.225	12	1-226298-2
1.125	11	1-226298-1
1.025	10	1-226298-0
.925	9	226298-9
.825	8	226298-8
.725	7	226298-7
.625	6	226298-6
.525	5	226298-5
.425	4	226298-4
.325	3	226298-3
.225	2	226298-2
L	NO OF COAX WIDE	PART NO

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ± ANGLES ±		CONTRACT NO DR M. SNEED 11-1-84 CHK P. KERLIN 11-2-84 APPD M. TRAN 11-2-84 APPD R. KAUTZ 11-5-84 DSGN APPD OTHER APPD M. SNEED 11-5-84		AMP INCORPORATED Harrisburg, Pa. NAME RIBBON CABLE, COAXIAL, 50 OHM SIZE C FSCH NO 00779 DRAWING NO 226298 SCALE NTS SHEET 1 OF 1	
MATERIAL FINISH		PART NO		PART NO	