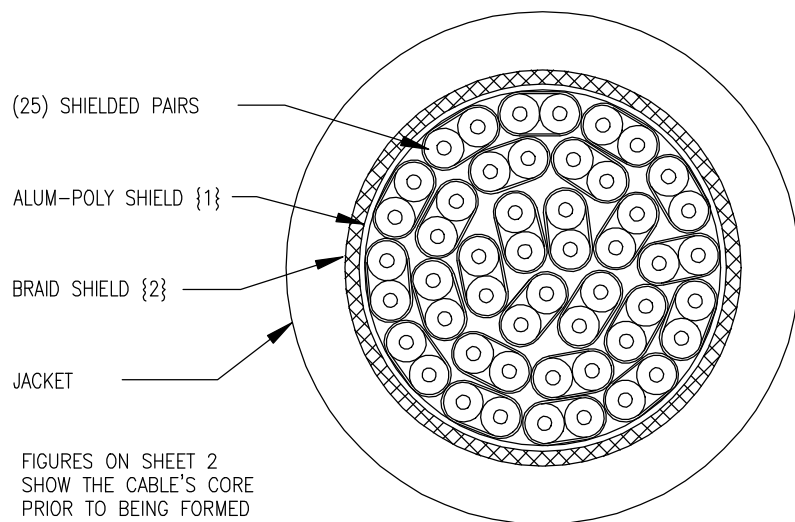




FIGURES ON SHEET 2
SHOW THE CABLE'S CORE
PRIOR TO BEING FORMED
TO ROUND.

ELECTRICAL

IMPEDANCE: $100 \pm 10 \Omega$ (DIFFERENTIAL TDR)

CAPACITANCE: 44 pF / M NOMINAL

PROP DELAY: 4.35 ns / M NOMINAL

SKEW (WITHIN PAIR) ≤ 100 ps / 10 M (REF ≤ 3.05 ps / FT) (TDT METHOD, SHIELD GROUNDED)
(DIFFERENTIAL 50%-50%, TEKTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

SKEW (PAIR/PAIR) ≤ 350 ps / 10 M (REF ≤ 10.67 ps / FT) (TDT METHOD, SHIELDS GROUNDED)
(DIFFERENTIAL 50%-50%, TEKTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

CROSSTALK: BETTER THAN 50 dB, 1 MHz TO 1 GHz, BOTH NEAR AND FAR END

ATTENUATION (NOMINAL): 0.52 dB / M @ 140 MHz
0.91 dB / M @ 420 MHz
1.81 dB / M @ 700 MHz

PHYSICAL

(25) SHIELDED PARALLEL PAIRS

30 AWG SOLID SILVER PLATED COPPER

.028 NOM DIAMETER FOAM NON-HALOGEN POLYOLEFIN,
ONE WHITE, OTHER BLUE TINT

PARALLEL PAIR

.001 ALUMINIZED POLYESTER, SPIRAL, FOIL OUT, 20% MIN OVERLAP,
HEAT SEALED, NUMBERED PER FIGURE ON SHEET 2

LAMINATE: .001 NOM POLYESTER, PER FIGURE ON SHEET 2

PAIR SPACING: PER FIGURE ON SHEET 2

CABLING: TWISTED TO ROUND

OVERALL SHIELD {1}: .0015 ALUMINUM-POLYESTER-ALUMINUM, SPIRAL,
20% MIN OVERLAP

OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE

JACKET: .035 NOM WALL NON-HALOGEN POLYMER, BLUE

DIAMETER: $.360 \pm .015$ (FLAT REGIONS ** .385 NOM DIA)

PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® Plus 25 PAIR 30 AWG
80° C 300V NON-HALOGEN 164-3099-984

** FLAT REGION IS ABOUT 2.5 INCHES LONG AND OCCURS ONLY AT PATCH LOCATIONS

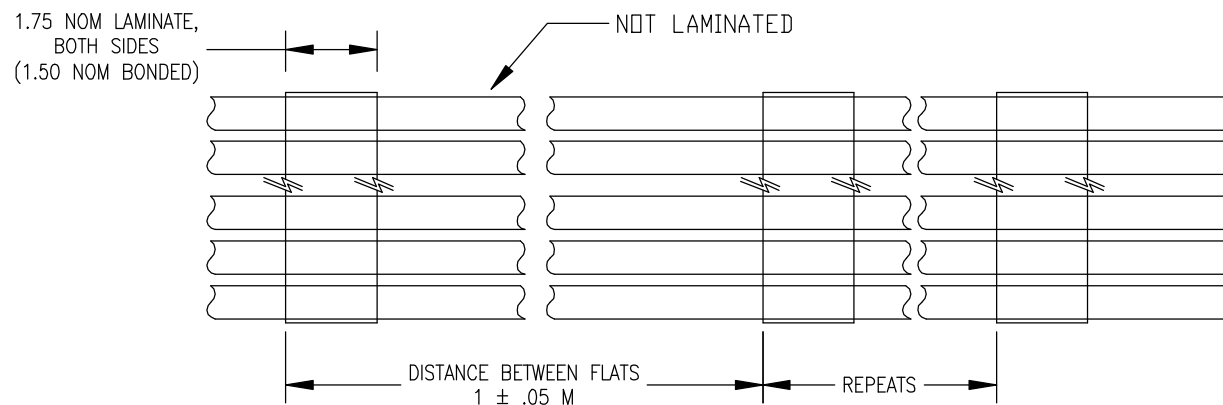
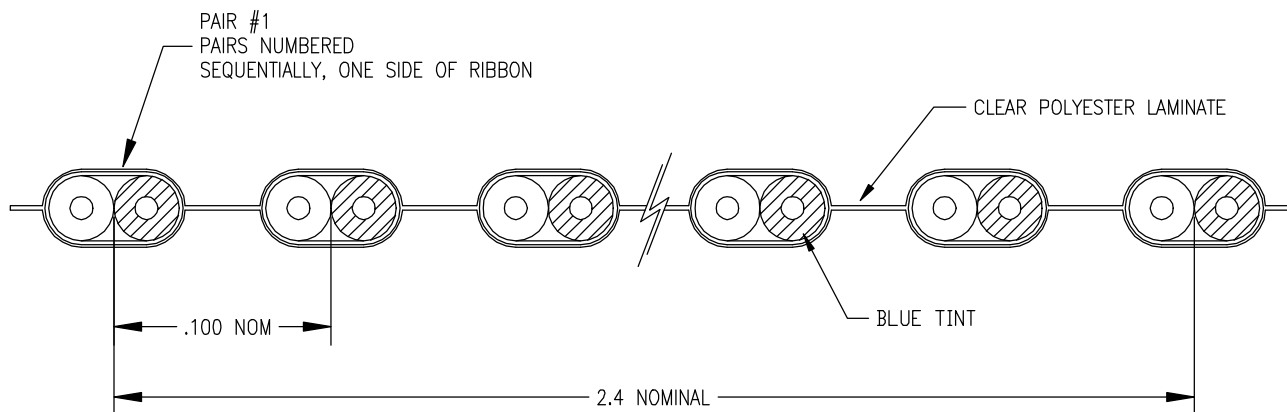
PRELIMINARY

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

REVISION	CHANGES
-	

DRAWN BY	PROD ENG	QA	MKT	P/ECN #	DRAWING NO. 164-3099-984	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev -
GPV 10-1-01					TITLE: (25) SHIELDED PAIRS, 100 OHM, 30 AWG		SHEET
					NON-HALOGEN SKEWCLEAR® Plus		1 of 2

CROSS-SECTION THRU LAMINATED REGION:



PRELIMINARY

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

DRAWN BY	PROD ENG	QA	MKT	DRAWING NO.	AMPHENOL SPECTRA-STRIP		Rev -
GPV				164-3099-984	720 SHERMAN AVENUE		SHEET
10-1-01				TITLE: (25) SHIELDED PAIRS, 100 OHM, 30 AWG	TEL (203) 281-3200		2 of 2
				NON-HALOGEN SKEWCLEAR® Plus	HAMDEN CT 06514		
					FAX (203) 281-5872		