

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

ELECTRICAL

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

CAPACITANCE: 43 pF / M NOMINAL

PROP DELAY: 4.3 ns / M NOMINAL

SKEW (WITHIN PAIR) ≤ 100 ps / 8 M (REF ≤ 3.8 ps / FT) (TDT METHOD, DRAIN GROUNDED)
(DIFFERENTIAL 50%-50%, TEKTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

SKEW (PAIR/PAIR) ≤ 350 ps / 8 M (REF ≤ 13.3 ps / FT) (TDT METHOD, DRAINS GROUNDED)
(DIFFERENTIAL 50%-50%, TEKTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

CROSSTALK: BETTER THAN 55 dB, 1 MHz TO 1 GHz, BOTH NEAR AND FAR END

ATTENUATION (NOMINAL): 0.28 dB / M @ 66 MHz
0.49 dB / M @ 198 MHz
0.64 dB / M @ 330 MHz

RATINGS (PENDING): 80° 300 V IEC 332-1

PHYSICAL

(25) SHIELDED PARALLEL PAIRS

28 AWG SOLID SILVER PLATED COPPER

.036 MAX (.035 NOM) DIAMETER FOAM NON-HALOGEN POLYOLEFIN

ONE WHITE, OTHER BLUE TINT

PARALLEL PAIR WITH DRAIN, 28 AWG SOLID SILVER PLATED COPPER

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

.0005 CLEAR POLYESTER, SPIRAL, 20% MIN OVERLAP, HEAT SEALED

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

PAIR SPACING: PER FIGURE ON SHEET 2

CABLING: TWISTED TO ROUND

OVERALL SHIELD {1}: .001 ALUMINIZED POLYESTER, SPIRAL, FOIL OUT,
20% MIN OVERLAP

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

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

DIAMETER: $.430 \pm .015$ (FLAT REGIONS ** .465 NOM DIA)

PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® Plus 25 PAIR 28 AWG
80° C 300V NON-HALOGEN 164-2899-974

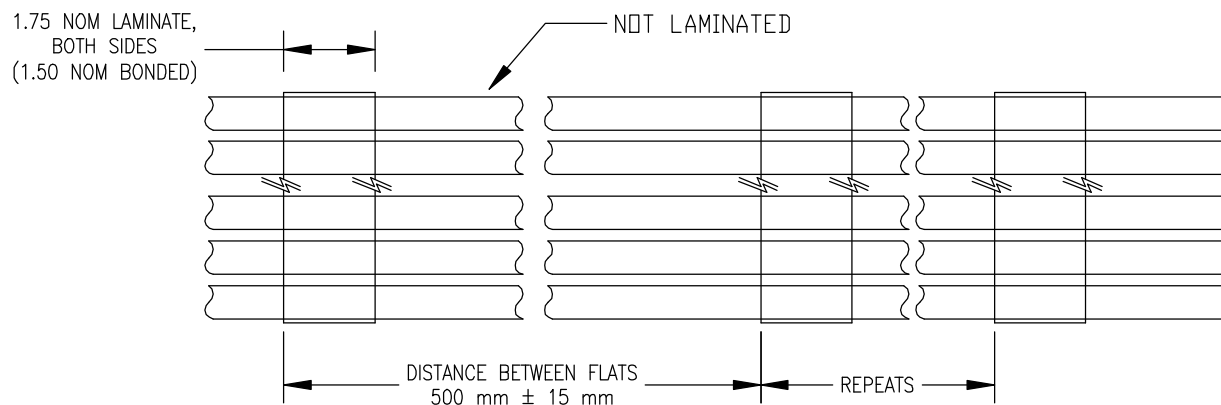
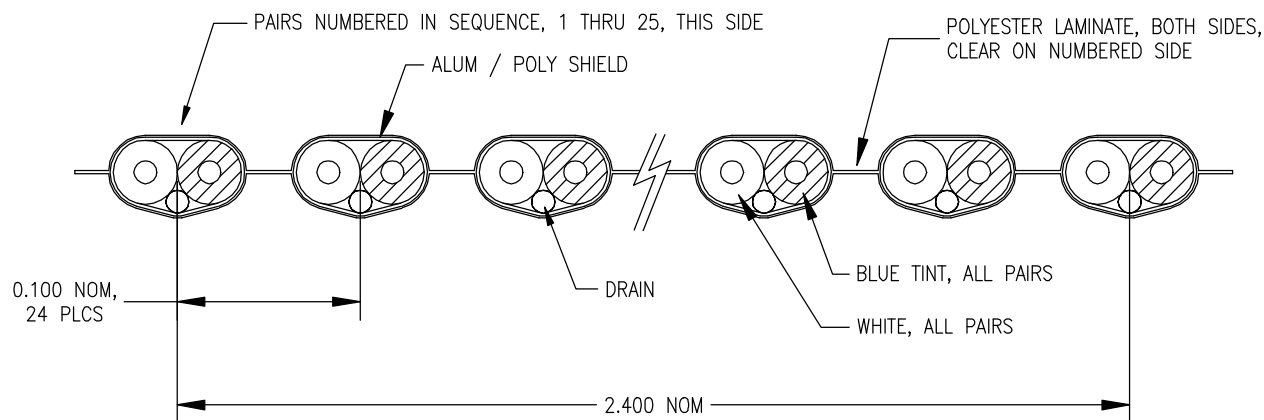
** FLAT REGION IS ABOUT 2.5 INCHES LONG AND OCCURS ONLY AT PATCH LOCATIONS

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

REVISION	CHANGES
4	PAIR SPACING
5	BLUE JACKET
6	HS POLY ON PAIRS, RATING, LEGEND
7	OVERALL SHIELD {1}

DRAWN BY GPV 7-30-99	PROD ENG	QA	MKT	P/ECN #	DRAWING NO. 164-2899-974	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev 7 SHEET 1 of 2
					TITLE: (25) SHIELDED PAIRS, 100 OHM, 28 AWG		
					NON-HALOGEN SKEWCLEAR® Plus		

CROSS-SECTION THRU LAMINATED REGION:



PRELIMINARY

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