(25) SHIELDED PAIRS

ALUM-POLY SHIELD [1]

BRAID SHIELD [2]

JACKET

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

ELECTRICAL

IMPEDANCE: 100 ± 10 Ω (DIFFERENTIAL TDR)

CAPACITANCE: 43 pF / m Nominal

PROP DELAY: 4.3 ns / m Nominal

SKEW (WITHIN PAIR) ≤ 100 ps / B ft (REF ≤ 3.8 ps / ft) (TOT METHOD, DRAIN GROUNDED)

(DIFFERENTIAL 50%-50%, TEXTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

SKEW (PAIR/PAIR) ≤ 350 ps / B ft (REF ≤ 13.3 ps / ft) (TOT METHOD, DRAINS GROUNDED)

(DIFFERENTIAL 50%-50%, TEXTRONIX 11801, SD-24/SD-26 SAMPLING HEADS)

CROSSTALK: BETTER THAN 60 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° C 300 V I.C. 332-3

PHYSICAL

(25) SHIELDED PARALLEL PAIRS

28 AWG SOLID SILVER PLATED COPPER

.036 WAX (.035 NON) DIAMETER FOAM NON-HALOGEN POLYOLEFIN

DIE WHITE, OTHER BLUE TINT

PARALLEL PAIR WITH DRAIN, 28 AWG SOLID SILVER PLATED COPPER

.001 ALUMINIZED POLYESTER, SPIRAL, FOIL IN, 30% MIN OVERLAP,

HEAT SEALED, WHITE, NUMBERED PER FIGURE ON SHEET 2

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

PAIR SPACING: PER FIGURE ON SHEET 2

CABLING: TWISTED TO ROUND

OVERALL SHIELD [1]: .0015 ALUMINIZED POLYESTER, SPIRAL, FOIL OUT,

FOIL FREE EDGE, 20% MIN FOIL OVERLAP

OVERALL SHIELD [2]: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE

JACKET: .035 NON WALL NON-HALOGEN POLYMER, BLACK

DIAMETER: .420 ± .015 (FLAT REGIONS ⊂ .400 NOM DIA)

PRINT LEGEND: SPECTRA-STRIP SKEWCLEAR® Plus 25 PAIR 28 AWG

80° C 300 V NON-HALOGEN

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

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

DRAWING NO. 164-2899-974

TITLE: (25) SHIELDED PAIRS, 100 OHM, 28 AWG

NON-HALOGEN SKEWCLEAR® Plus

AMPHENOL SPECTRA-STRIP OPERATIONS

720 Sherman Ave Tel (203) 281-3200
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Rev 3

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