



ELECTRICAL

IMPEDANCE: 100Ω ± 5% (DIFFERENTIAL TDR)
 CAPACITANCE: 42 pF / M NOM
 PROP DELAY: 4.25 ns / M NOM

SKEW

WITHIN PAIR*: ≤ 50 ps / 6 M
 PAIR/PAIR*: ≤ 300 ps / 6 M

* TDT METHOD, SHIELD(S) GROUNDED
 DIFFERENTIAL 50%-50%

ATTENUATION (MAXIMUM):

0.75 dB / M @ 0.625 GHz (0.70 dB TYPICAL)
 1.12 dB / M @ 1.250 GHz (1.02 dB TYPICAL)
 2.20 dB / M @ 3.750 GHz (1.90 dB TYPICAL)
 3.17 dB / M @ 6.000 GHz (2.83 dB TYPICAL)

SHIELD ISOLATION:

OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS

NEAR END CROSSTALK:

BETTER THAN -55 dB @ 1.25 GHz
 ONE AGGRESSOR (-65 dB TYPICAL)

SCD21: <-24 dB TO 6 GHz, 6M SAMPLE

REVISIONS

REV.	DESCRIPTION	ECN	DATE
J	DRAW IN SOLIDWORKS, ADD SCD21 SPEC	7870	3/12/2014
K	CORRECT PAIR ORIENTATION, ADD WRAPPED PAIR VIEW	7887	3/27/2014

PHYSICAL

(8) SHIELDED PARALLEL PAIRS
 26 AWG SOLID SILVER PLATED COPPER
 Ø0.0445 NOM FOAM POLYOLEFIN, NATURAL
 PARALLEL PAIR WITH DRAIN: 29 AWG SOLID TINNED COPPER
 .001 ALUMINIZED POLYESTER, FOIL IN, WHITE
 PAIRS 1 THRU 8 PRINTED 1 THRU 8 ON SIDE OPPOSITE DRAIN
 CLEAR POLYESTER, HEAT SEALED

CABLING: PAIRS CABLED WITH BUFFER

BUFFER: POLYOLEFIN TAPE

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

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

JACKET: 0.030 NOM WALL PVC, BLACK

DIAMETER: Ø0.330 ± .015

PRINT LEGEND

AMPHENOL SPECTRA-STRIP <-S>*
 SKEWCLEAR® 8 PAIR 26 AWG
 (UL) 75°C CL2 OR AWM 20276 80°C
 CSA AWM I/II A 75°C 300V FT4
 RoHS COMPLIANT <LOT CODE>

*CHINA PRODUCT ONLY

CONFORMANCE

RoHS COMPLIANT
 UL CL2 75°C OR AWM 80°C, CSA FT4 75°C

DRAWN BY JTA 3/12/2014	REVIEWED	APPROVED	DOCUMENT NO. 166-2699-997	AMPHENOL SPECTRA-STRIP® 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev K
			TITLE: (8) SHIELDED PAIRS, 26 AWG, 100 OHM		SHEET 1 OF 1