



ELECTRICAL

IMPEDANCE: $100\Omega \pm 5\Omega$ (DIFFERENTIAL TDR)
 CAPACITANCE: 42 pF / M NOM
 PROP DELAY: 4.25 ns / M NOM

SKEW

WITHIN PAIR*: ≤ 80 ps / 10 M
 PAIR/PAIR*: ≤ 400 ps / 10 M

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

ATTENUATION (MAXIMUM):

0.60 dB / M @ 0.625 GHz (0.55 dB TYP)
 0.86 dB / M @ 1.250 GHz (0.80 dB TYP)
 1.27 dB / M @ 2.500 GHz (1.15 dB TYP)
 1.65 dB / M @ 3.750 GHz (1.47dB TYP)
 2.00 dB / M @ 5.000 GHz (1.76 dB TYP)

SHIELD ISOLATION: OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS
 NEAR END CROSSTALK: BETTER THAN -55 dB @ 1.25 GHz,
 ONE AGGRESSOR (-65 dB TYP)

REVISIONS

REV.	DESCRIPTION	ECN	DATE
G	AWM 80°C	7438	11/09/2011
H	ATTENUATION, SKEW	7518	04/10/2012
I	ADD BUFFER	7716	07/10/2013

PHYSICAL

(8) SHIELDED PARALLEL PAIRS

24 AWG ($\phi 0.0201$) SOLID SILVER PLATED COPPER
 $\phi 0.056$ NOM FOAM POLYOLEFIN, NATURAL
 PARALLEL PAIR WITH DRAIN: 27 AWG ($\phi 0.0142$) SOLID TINNED COPPER
 .001 ALUMINIZED POLYESTER, FOIL IN, WHITE
 PAIRS 1-8: NUMBERED 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: $\phi 0.385 \pm .015$

PRINT LEGEND

AMPHENOL SPECTRA-STRIP <-S>*
 SKEWCLEAR® 8 PAIR 24 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 GPV 07/12/2007	REVIEWED	APPROVED	DOCUMENT NO. 166-2499-998	AMPHENOL SPECTRA-STRIP® 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev I
			TITLE: (8) SHIELDED PAIRS, 24 AWG, 100 OHM		SHEET 1 OF 1