



ELECTRICAL

IMPEDANCE: 100Ω ± 5% (DIFFERENTIAL TDR)  
 CAPACITANCE: 43 pF / M NOM  
 PROP DELAY: 4.35 ns / M NOM

SKEW

WITHIN PAIR\*: ≤ 50 ps / 4 M  
 PAIR/PAIR\*: ≤ 200 ps / 4 M

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

ATTENUATION (MAXIMUM):

1.65 dB / M @ 1.25 GHz (1.53 dB TYP)  
 2.45 dB / M @ 2.50 GHz (2.23 dB TYP)  
 3.80 dB / M @ 5.00 GHz (3.26 dB TYP)  
 6.50 dB / M @ 10.0 GHz (5.00 dB TYP)  
 7.00 dB / M @ 11.0 GHz (5.43 dB TYP)

SHIELD ISOLATION: OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS

REVISIONS

REV.	DESCRIPTION	ECN	DATE
B	ADD BUFFER	7553	08/08/2012
C	ADD 10GHz ATTENUATION	7693	05/30/2013
D	ADD 11GHz ATTENUATION	7872	03/13/2014

PHYSICAL

(8) SHIELDED PARALLEL PAIRS  
 30 AWG SOLID SILVER PLATED COPPER [.254mm NOM DIA]  
 Ø0.0285 [.725mm] NOM FOAM POLYOLEFIN, NATURAL  
 PARALLEL PAIR WITH DRAIN: 30 AWG SOLID TINNED COPPER  
 .001 [.0254mm] ALUMINIZED POLYESTER, FOIL IN, YELLOW  
 NUMBERED 1 THRU 8 ON SIDE OPPOSITE DRAIN  
 CLEAR POLYESTER, HEAT SEALED

CABLING: PAIRS CABLED WITH BUFFER

BUFFER: POLYOLEFIN TAPE

OVERALL SHIELD {1}: .001 [.254mm] ALUMINIZED POLYESTER, FOIL OUT,  
 20% MIN OVERLAP [4.3mm REF DIAMETER]

OVERALL SHIELD {2}: 38 AWG [.102mm] TINNED COPPER BRAID,  
 85% COVERAGE MIN

JACKET: 0.030 [.76mm] NOM WALL PVC, BLACK

DIAMETER: Ø0.250 ± .010 [6.10mm MIN/ 6.60 MAX]

PRINT LEGEND

AMPHENOL SPECTRA-STRIP <-S>\*  
 SKEWCLEAR® 8 PAIR 30 AWG  
 (UL) 75°C CL2 OR  
 AWM STYLE 20276 80°C CSA AWM I/II A 75°C 300V FT4  
 RoHS COMPLIANT <LOT CODE>

\*CHINA PRODUCT ONLY

CONFORMANCE

RoHS COMPLIANT  
 UL CL2 CSA FT4 75°C, AWM 80°C  
 0.96 INCH [24.4mm] BEND RADIUS

DRAWN BY GPV 09/13/2007	REVIEWED	APPROVED	DOCUMENT NO. 166-3099-918	<b>AMPHENOL SPECTRA-STRIP®</b> 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev D
			TITLE: (8) SHIELDED PAIRS, 30 AWG, 100 OHM		SHEET 1 OF 1