



ELECTRICAL

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

SKEW

WITHIN PAIR\*: ≤ 40 ps / 5 M

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

ATTENUATION (MAXIMUM):

1.67 dB / M @ 1.25 GHz (1.56 dB TYP)  
 2.55 dB / M @ 2.50 GHz (2.31 dB TYP)  
 4.05 dB / M @ 5.00 GHz (3.61 dB TYP)  
 6.85 dB / M @ 10.0 GHz (6.05 dB TYP)

SCD21: < -24 dB, 5M SAMPLE

REVISIONS

REV.	DESCRIPTION	ECN	DATE
A	ADD BUFFER	7741	08/09/2013
B	CORRECT PRINT LEGEND	7828	01/09/2014

PHYSICAL

(2) SHIELDED PARALLEL PAIRS  
 30 AWG SOLID SILVER PLATED COPPER  
 Ø0.029 NOM POLYOLEFIN, NATURAL  
 PARALLEL PAIR WITH DRAIN: 30 AWG SOLID TINNED COPPER  
 .001 ALUMINIZED POLYESTER, FOIL IN,  
 ONE PAIR WHITE, PRINTED #1 ON SIDE OPPOSITE DRAIN  
 ONE PAIR BLUE, PRINTED #2 ON SIDE OPPOSITE DRAIN  
 CLEAR POLYESTER, HEAT SEALED

CABLING: PAIRS & DRAINS CABLED WITH BUFFER

BUFFER: POLYOLEFIN TAPE

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

OVERALL SHIELD {2}: 38 AWG TINNED COPPER BRAID,  
 85% COVERAGE MIN

JACKET: 0.030 NOM WALL PVC, BLACK

DIAMETER: Ø0.175 ± .010

PRINT LEGEND

AMPHENOL SPECTRA-STRIP <-S>\*  
 SKEWCLEAR® 2 PAIR 30 AWG  
 (UL) 75°C CL2 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

DRAWN BY	REVIEWED	APPROVED	DOCUMENT NO.	<b>AMPHENOL SPECTRA-STRIP®</b> 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev B
MSW 08/03/2006			160-3099-983		TITLE: (2) SHIELDED PAIRS, 30 AWG, 100 OHM