



REVISIONS		
REV.	DESCRIPTION	DATE
H	UPDATE DRAIN ORIENTATION, 30V	05/23/2018
I	CORRECT FOIL COLOR ON PAIRS	06/04/2018

PHYSICAL

(2) SHIELDED PARALLEL PAIRS  
 28 AWG SOLID SILVER PLATED COPPER  
 Ø0.036 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}: 36 AWG TINNED COPPER BRAID,  
 85% COVERAGE MIN

JACKET: 0.030 NOM WALL PVC, BLACK

DIAMETER: Ø0.195 ± .015

PRINT LEGEND

AMPHENOL SPECTRA\_STRIP <-S>\*  
 SKEWCLEAR® 2 PAIR 28 AWG  
 (UL) 75°C CL2 CSA AWM I/II A 75°C 30V FT4  
 ROHS COMPLIANT <LOT CODE>

\*CHINA PRODUCT ONLY

CONFORMANCE

UL CL2 CSA FT4 75°C -25°C TO 75°C OPERATING, STATIONARY  
 RoHS COMPLIANT -10°C TO 50°C INSTALLATION

ELECTRICAL

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

SKEW

WITHIN PAIR\*: ≤ 100 ps / 5 M

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

ATTENUATION (MAXIMUM):

1.00 dB / M @ 0.625 GHz (0.87 dB TYP)  
 1.45 dB / M @ 1.250 GHz (1.25 dB TYP)  
 1.60 dB / M @ 1.562 GHz (1.41 dB TYP)  
 2.10 dB / M @ 2.500 GHz (1.81 dB TYP)  
 2.35 dB / M @ 3.125 GHz (2.04 dB TYP)

SCD21: < -24 dB, 5M SAMPLE

SHIELD ISOLATION: OVERAL SHIELDS ISOLATED FROM PAIR SHIELDS

NEAR END CROSSTALK: BETTER THAN -55 dB @ 1.25 GHz (-65 dB TYP)

DRAWN BY GPV 08/03/2006	REVIEWED	APPROVED	DOCUMENT NO. 160-2899-993	<b>AMPHENOL SPECTRA_STRIP®</b> 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev I
			TITLE: (2) SHIELDED PAIRS, 28 AWG, 100 OHM		SHEET 1 OF 1

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