



PHYSICAL

(4) SHIELDED PARALLEL PAIRS  
 24 AWG SOLID SILVER PLATED COPPER  
 .056 NOM DIAMETER FOAM POLYOLEFIN, NATURAL  
 PARALLEL PAIR WITH DRAIN: 27 AWG SOLID TINNED COPPER  
 .001 ALUMINIZED POLYESTER, FOIL IN, PRINT 1-4 ON SIDE OPPOSITE DRAIN  
 YELLOW, NUMBERS CLOKED  
 CLEAR, POLYESTER, HEAT SEALED

CABLING: TWISTED TO ROUND, WITH THREAD BINDER & FILLER

BUFFER: POLYOLEFIN TAPE

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

OVERALL SHIELD {2}: 40 AWG TINNED COPPER BRAID, 85% MIN COVERAGE

JACKET: .030 NOM WALL PVC, BLACK

DIAMETER: .300 ± .010

PRINT LEGEND:

AMPHENOL SPECTRA-STRIP  
 SKEWCLEAR® 4 PAIR 24 AWG  
 (UL) 75°C CL2 OR ~~AWM~~ AWM STYLE 20276 80°C  
 CSA AWM I/II A 75°C 300V FT4  
 RoHS COMPLIANT <LOT CODE>

ELECTRICAL

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

SKEW

WITHIN PAIR: ≤ 50 ps / 7.5 M\*  
 PAIR/PAIR: ≤ 200 ps / 7.5 M\*

\*DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801

ATTENUATION (MAXIMUM):

0.91 dB / M @ 1250 MHz (0.84 dB TYPICAL)  
 1.37 dB / M @ 2500 MHz (1.24 dB TYPICAL)  
 2.20 dB / M @ 5000 MHz (1.96 dB TYPICAL)  
 2.55 dB / M @ 6000 MHz (2.25 dB TYPICAL)

CONFORMANCE

RoHS COMPLIANT  
 UL 75°C CL2 OR ~~AWM~~ AWM STYLE 20276 80°C  
 CSA FT4 75°C

REVISIONS		
REV.	DESCRIPTION	DATE
1	AWM STYLE 20276 WAS AWM 20276	12/19/2011

DRAWN BY	PROD ENG	QA	MKT	ECN #	DOCUMENT NO.	<b>AMPHENOL SPECTRA-STRIP®</b> 720 SHERMAN AVENUE HAMDEN CT 06514 TEL (203) 281-3200 FAX (203) 281-5872	Rev 1
MSW 11/14/2011					166-2499-902 TITLE: (4) SHIELDED PAIRS, 100 OHM, 24 AWG		SHEET 1 OF 1