



ELECTRICAL

IMPEDANCE: 100Ω ± 5% (DIFFERENTIAL TDR)
 CAPACITANCE: 49 pF / M NOM
 PROP DELAY: 4.9 ns / M NOM

SKEW

WITHIN PAIR*: ≤ 35 ps / 4 M
 PAIR/PAIR*: ≤ 200 ps / 4 M

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

ATTENUATION (MAXIMUM):

2.25 dB / M @ 2.50 GHz (2.01 dB TYP)
 3.35 dB / M @ 5.00 GHz (2.98 dB TYP)
 5.20 dB / M @ 10.0 GHz (4.57 dB TYP)
 5.83 dB / M @ 12.5 GHz (5.15 dB TYP)
 6.60 dB / M @ 15.0 GHz (5.83 dB TYP)
 8.20 dB / M @ 20.0 GHz (7.20 dB TYP)

REVISIONS

REV.	DESCRIPTION	ECN	DATE
A	CHANGE DRAIN ORIENTATION	7771	09/13/2013
B	ADD PART NUMBER TO PRINT LEGEND	7812	11/25/2013

PHYSICAL

(8) SHIELDED PARALLEL PAIRS
 30 AWG SOLID SILVER PLATED COPPER
 Ø0.034in NOM POLYOLEFIN
 PARALLEL PAIR WITH DRAIN: 30 AWG SOLID TINNED COPPER
 .001 ALUMINIZED POLYESTER, FOIL IN, BLUE
 NUMBERED 1 THRU 8 ON SIDE OPPOSITE DRAIN
 CLEAR POLYESTER, HEAT SEALED

CABLING: PAIRS CABLED WITH FILLER AND 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: 0.030in NOM WALL HALOGEN FREE POLYMER, BLACK

DIAMETER: Ø0.280in ± .010

PRINT LEGEND

AMPHENOL SPECTRA-STRIP <-S>*
 SKEW CLEAR® EXD 8 PAIR 30 AWG
 AWM STYLE 21355 75°C VW1
 RoHS COMPLIANT US PATENT 7790981
 166-3093-880 REV B <LOT CODE>

*CHINA PRODUCT ONLY

CONFORMANCE

RoHS COMPLIANT, AWM STYLE 21355 75°C VW1
 HALOGEN FREE PER IEC 60754-2
 FIRE RESISTANT PER IEC 60332-1

DRAWN BY	REVIEWED	APPROVED	DOCUMENT NO. 166-3093-880	AMPHENOL SPECTRA-STRIP® 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev B
GPV 12/10/2009			TITLE: (8) SHIELDED PAIRS, HAL FREE 30 AWG, 100 OHM		SHEET 1 OF 1