



PHYSICAL

Conductors: 28 AWG 7/36 Tinned Copper
 Insulation: .010" Silicone-Polyimide Copolymer,
 Color Code: Clear Amber Common, Brown, Red, Orange,
 Yellow, Green, Blue, Violet, Gray,
 White, Black and Repeat
 Laminate: .005" White HF-FR Polyolefin
 Temperature Rating: Insulation: -65°C to 150°C /
 Laminate: -25°C to 90°C

PART NUMBER	PAIRS	COND	A SPAN		B SPAN	
			Inches	(mm)	Inches	(mm)
132-2821-010	5	10	0.526	(13,36)	$0.450 \pm .015$	(11,43 $\pm 0,38$)
132-2821-014	7	14	0.726	(18,44)	$0.650 \pm .015$	(16,51 $\pm 0,38$)
132-2821-016	8	16	0.826	(20,98)	$0.750 \pm .015$	(19,05 $\pm 0,38$)
132-2821-020	10	20	1.026	(26,06)	$0.950 \pm .015$	(24,13 $\pm 0,38$)
132-2821-026	13	26	1.326	(33,68)	$1.250 \pm .015$	(31,75 $\pm 0,38$)
132-2821-034	17	34	1.726	(43,84)	$1.650 \pm .015$	(41,91 $\pm 0,38$)
132-2821-036	18	36	1.826	(46,38)	$1.750 \pm .015$	(44,45 $\pm 0,38$)
132-2821-040	20	40	2.026	(51,46)	$1.950 \pm .020$	(49,53 $\pm 0,51$)
132-2821-050	25	50	2.526	(64,16)	$2.450 \pm .020$	(62,23 $\pm 0,51$)
132-2821-060	30	60	3.026	(76,86)	$2.950 \pm .025$	(74,93 $\pm 0,64$)
132-2821-064	32	64	3.226	(81,94)	$3.150 \pm .025$	(80,01 $\pm 0,64$)

ELECTRICAL

Impedance: 110 ohms
 Capacitance: 12.5 pF/ft
 Propagation Delay: 1.6 ns/ft Nom
 Voltage Rating: 300 V
 Current Rating: 1.3 A
 Insulation Res: 10^{10} ohms - 10 ft MIN

Above values measured Ground-Signal-Ground Configuration

ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE NOTED.

DRAWN	PROD ENG	QA	MKT	P/ECN#	DRAWING NO. 132-2821-0XX	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev D
8/29/01					TITLE: Halogen Free Twist'N'Flat Cable		SHEET 1 of 2

PROPERTY	STANDARD	CABLE RESULTS
HALOGEN CONTENT:	MIL-C-24643	0.1 %
ACID GAS GENERATION:	MIL-C-24643	1.0 %
OPTICAL SMOKE INDEX:	NES-711	5.3
TOXICITY INDEX:	NES-713	1.4
LIMITING OXYGEN INDEX:	ASTM D 2863	39
UV RESITANCE:	IEC68-2-5	NA
RADIATION RESITANCE:	IEC 544-2-5	NA
LIMITING OXYGEN INDEX:	ASTM-D-2863	Insulation: 46%, Laminate: 28%

IEC 68-2-5: SIMULATED SOLAR RADIATION AT GROUND LEVEL

IEC 332-1: TESTS ON ELECTRIC CABLES UNDER FIRE CONDITIONS

IEC 544-2,-4: GUIDE FOR DETERMINING THE EFFECTS OF IONIZING RADIATION ON INSULATING MATERIALS

IEC 754-2: TEST ON GASES EVOLVED DURING COMBUSTION OF ELECTRIC CABLES

IEC 1034-1,-2: TEST FOR THE MEASUREMENT OF SMOKE DENSITY OF ELECTRIC CABLES BURNING UNDER DEFINED CONDITIONS

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FTTS 8/29/01					TITLE: Halogen Free Twist'N'Flat® Cable		SHEET 2 of 2