



PHYSICAL

Conductors: 28 AWG 7/36 Tinned Copper
 Insulation: .010" Non-Halogenated Flame Retardant Polyolefin (limiting Oxygen Index 39%)

ELECTRICAL

Impedance: 100 ohms
 Capacitance: 13 pf/ft @1MHz
 Inductance: .17 mH/ft
 Prop Delay: 1.45 ns/ft
 DC Res: 65 ohms/1000'
 Current Rating: 1.3 amps
 Voltage Rating: 300 Volts
 Insulation Res: 10¹⁰ ohms - 10' minimum
 Temperature Rating: -40° C TO 90° C

Above Values measured in the Ground-Signal-Ground Configuration

Part Number	Count	A Span	B Span
193-2829-009	9	.450 Nom	.400 ±.007
193-2829-010	10	.500 Nom	.450 ±.007
193-2929-014	14	.700 Nom	.650 ±.007
193-2829-015	15	.750 Nom	.700 ±.007
193-2829-016	16	.800 Nom	.750 ±.011
193-2829-020	20	1.000 Nom	.950 ±.011
193-2829-024	24	1.200 Nom	1.150 ±.011
193-2829-025	25	1.250 Nom	1.200 ±.011
193-2829-026	26	1.300 Nom	1.250 ±.011
193-2829-034	34	1.700 Nom	1.650 ±.011
193-2829-036	36	1.800 Nom	1.750 ±.015
193-2829-037	37	1.850 Nom	1.800 ±.015
193-2829-040	40	2.000 Nom	1.950 ±.015
193-2829-050	50	2.500 Nom	2.450 ±.015
193-2829-060	60	3.000 Nom	2.950 ±.015
193-2829-064	64	3.200 Nom	3.150 ±.015

All Dimensions in Inches, Unless Otherwise Noted.

DRAWN	PROD ENG	QA	MKT	P/ECN#	DRAWING NO. 193-2829-OXX	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev C
FITS 6/18/02					TITLE: HF-FR ZIP PLANAR CABLE		SHEET 1 of 2

PROPERTY	STANDARD	REQUIREMENTS	RESULTS
FLAME AND FIRE PROPAGATION: SMOKE DENSITY:	IEC 332-1 ASTM E 662 IEC 1034-1 AND -2	PASS DS < 250 FLAMING AND NON-FLAMING MODES PASS	PASS FLAMING - 0.62/0.75, NONFLAMING - 0.24/16.2 PASS
TOXICITY OF FIRE GASSES:	ATS 1000.001	HF <100 HCl <150 HCN <150 SO ₂ + H ₂ S <100 CO <3500 NO + NO ₂ <100	HF <100 HCl <150 HCN <150 SO ₂ + H ₂ S <100 CO <3500 NO + NO ₂ <100
CORROSIVITY OF FIRE GASSES:	IEC 754-2	pH >4, CONDUCTIVITY <100uS/cm	pH - 4.5, CONDUCTIVITY - NONE
UV RESISTANCE:	IEC 68-2-5	NO DISCOLORATION OR STICKNESS	NA
RADIATION RESISTANCE:	IEC 544-2-5	INDEX >5.7	NA
ACID GAS GENERATION:	MIL-C-24643		0.47 %
SMOKE INDEX:	NES-711		5.3
TOXICITY INDEX:	NES-713		1.4
LIMITING OXYGEN INDEX:	ASTM D 2863		39

ASTM E662: STANDARD TEST METHOD FOR SPECIFIC OPTICAL DENSITY OF SMOKE

ATS 1000.001: AIRBUS INDUSTRY TECHNICAL SPECIFICATION, FIRE TEST SPECIFICATION

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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FITS 6/18/02					TITLE: HF-FR ZIP PLANAR CABLE		SHEET 2 of 2