



PHYSICAL

Conductors: 28 AWG 7/36 Tinned Copper
 Insulation: .010" Gray PVC
 Shield: .001" Aluminum/Polyester
 Drain: Two 28 AWG 7/36 Tinned Copper
 Temperature Range: -40°C to 105°C
 Jacket: .030" Nom Black PVC

ELECTRICAL

Impedance: 70 ohms¹ 50 ohms²
 Capacitance: 40 pF/ft¹ 50pF/ft² @ 1 MHz
 Propagation Delay: 1.6 ns/ft
 Voltage Rating: 300 V
 Current Rating: 1 A at 10°C Rise Above Ambient
 Insul. Resistance: 10¹⁰ ohms - 10 ft MIN.

All Dimensions in Inches Unless Otherwise Noted

Part Number	Count	A Span, Inches(mm)	B Span, Inches(mm)	C Span
151-2831-009	9	.450(11,43) Nom	.400±0.007(10,16±0,18)	.510
151-2831-010	10	.500(12,7) Nom	.450±0.007(11,43±0,18)	.560
151-2831-014	14	.700(17,78) Nom	.650 ±0.007(16,51±0,18)	.760
151-2831-016	16	.800(20,32) Nom	.750 ±0.011(20,32±0,28)	.860
151-2831-020	20	1.000(25,40) Nom	.950 ±0.011(24,13±0,28)	1.060
151-2831-024	24	1.200(30,48) Nom	1.150 ±0.011(29,21±0,28)	1.260
151-2831-025	25	1.250(31,79) Nom	1.200 ±0.011(30,48±0,28)	1.310
Larger Conductor Counts on Sheet 2				

¹Above values measured Ground-Signal-Ground
²Above values measured Ground-Signal-Ground with Shield also Grounded

Approvals: UL CL2 105°C
 CSA AWM FT-1

REVISION	CHANGES	ECO	DATE
K	CLARIFY TEMP RANGE WITH -40°C	8084	12/23/14
J	ADD SHEET TWO TABLE FOR MORE CNDR COUNTS	7547	7/3/12

DRAWN BY FITTS 8/30/99	REVIEWED	APPROVED	DOCUMENT NO. 151-2831-0XX	AMPHENOL SPECTRA-STRIP	Rev K
			TITLE: Jacketed, Shielded Planar Cable with Zip Inner		

Larger Conductor Counts Below

All Dimensions in Inches Unless Otherwise Noted

Part Number	Count	A Span, Inches(mm)	B Span, Inches(mm)	C Span
151-2831-026	26	1.300(33,02) Nom	1.250 ±0.011(31,75±0,28)	1.360
151-2831-034	34	1.700(43,18) Nom	1.650 ±0.011(41,90±0,28)	1.760
151-2831-036	36	1.800(45,72) Nom	1.750 ±0.015(44,45±0,38)	1.860
151-2831-037	37	1.850(46,99) Nom	1.800 ±0.015(45,72±0,38)	1.910
151-2831-040	40	2.000(50,80) Nom	1.950 ±0.015(49,53±0,38)	2.060
151-2831-050	50	2.500(63,50) Nom	2.450 ±0.015(62,23±0,38)	2.560
151-2831-060	60	3.000(76,20) Nom	2.950 ±0.015(74,93±0,38)	3.060
151-2831-064	64	3.200(81,28) Nom	3.150 ±0.015(80,01±0,38)	3.260

REVISION	CHANGES	ECO	DATE
K	CLARIFY TEMP RANGE WITH -40°C	8084	12/23/14
J	ADD SHEET TWO TABLE FOR MORE CNDTR COUNTS	7547	7/3/12

DRAWN BY FITTS 8/30/99	REVIEWED	APPROVED	DOCUMENT NO. 151-2831-0XX	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev K
			TITLE: Jacketed, Shielded Planar Cable with Zip Inner		SHEET 2 OF 2