

# Spectra-Zip® .025" center shielded & jacketed planar cable


## 151-3033-XXX series

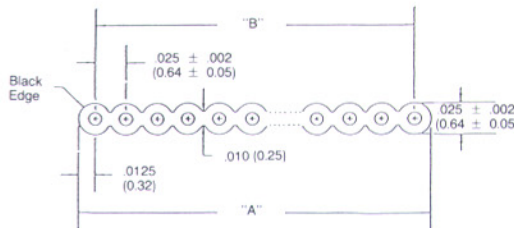


### description

Spectra-Zip® Jacketed & Shielded Cable is well-suited to applications such as external interconnect applications that require EMI/ RFI considerations. The cable is jacketed in rugged extruded black PVC - Spectra-Guard®, which provides excellent abrasion resistance. Shielding consists of aluminum/poly, with optional drain wires, making it ideal for high-speed data processing equipment and high frequency communications systems.

### benefits

- Rugged, flexible protection
- Excellent crosstalk and electrical performance
- High density center-to-center spacing allows increased miniaturization
- Shielding reduces cross-talk
- Precise spacing for controlled electrical characteristics
- Mass terminable
- Put-up in convenient 100' coils
- Easy to identify #1 conductor with edge mark
- UL recognized 

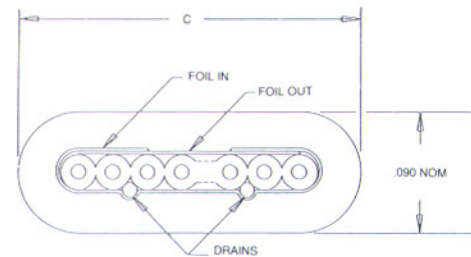


### characteristics physical

**Conductors:** 30 AWG, solid bare copper  
**Shielding:** aluminum poly  
**Insulation:** .0075" (0,19mm) wall PVC  
**Zip thickness:** .025±.002" (0,64±0,05mm) ref.  
**Jacket:** black PVC, 30 mil avg.  
**Pitch:** .025±.002" (0,64±0,05mm) centers  
**Color:** gray (one edge black)

### electrical

**Voltage:** 150 V  
**Current rating:** 0.8 amp nominal @ 10°C above ambient  
**Temperature rating:** -20°C to +105°C (-4°F to 221°F)  
**Impedance:** 55 ohms nominal\*  
**Capacitance:** 30.0 pf/ft. (98,4 pf/m) nominal @ 1.0 MHz\*  
**Inductance:** .12 µh/ft. (.39 µh/m) nominal @ 1.0 MHz\*  
**Propagation delay:** 1.55 ns/ft. (5,09 ns/m) nominal  
**Insulation resistance:** 10<sup>10</sup> ohms - 10 ft. (3 m) min.  
**Unbalanced crosstalk:** 10' sample, 5 ns rise time with 2 lines driven, near end = .8% nominal far end = 1.8% nominal  
**\*Mode:** ground-signal-ground, shield grounded  
**UL: inner: #2678 jacket: #2912**



### order information

PART #	# COND	WIDTH A		SPAN B		WIDTH C	
		INCHES	(mm)	INCHES	(mm)	INCHES	(mm)
151-3033-010	10	.250	(6,35)	.225±.005	(5,72±0,13)	.315	(8,00)
151-3033-016	16	.400	(10,16)	.375±.005	(9,53±0,13)	.465	(11,81)
151-3033-020	20	.500	(12,70)	.475±.005	(12,07±0,13)	.565	(14,35)
151-3033-026	26	.650	(16,51)	.625±.005	(15,88±0,13)	.715	(18,16)
151-3033-034	34	.850	(21,59)	.825±.005	(20,96±0,13)	.915	(23,24)
151-3033-040	40	1.000	(25,40)	.975±.006	(24,77±0,15)	1.065	(27,05)
151-3033-050	50	1.250	(31,75)	1.225±.006	(31,12±0,15)	1.315	(33,40)
151-3033-060	60	1.500	(38,10)	1.475±.006	(37,47±0,15)	1.565	(39,75)
151-3033-064	64	1.600	(40,64)	1.575±.006	(40,01±0,15)	1.765	(44,83)
151-3033-068	68	1.700	(43,18)	1.675±.006	(42,51±0,15)	1.865	(47,37)
151-3033-080	80	2.000	(50,80)	1.975±.006	(50,17±0,15)	2.065	(52,45)
151-3033-100	100	2.500	(63,50)	2.475±.007	(62,87±0,18)	2.565	(65,15)