

# Spectra-Strip® .025" center Round'N'Flat™ cable 159-3003-XXX series



## characteristics

### physical

**Conductors:** 30 AWG  
solid bare copper  
**Insulation:** .0075" (0,19mm) wall PVC  
**Zip cable:** gray  
pitch: .025"±.002" (0,64±0,05mm)  
thickness: .025"±.002" (0,64±0,05mm)  
**Shielding:** aluminum/polyester tape,  
tinned copper braid  
w/ min. 85% coverage  
**Jacket:** black PVC .030" wall, paper  
liner between jacket & core  
**Temperature rating:** -20°C to 105°C  
(-4°F to +221°F)


### electrical

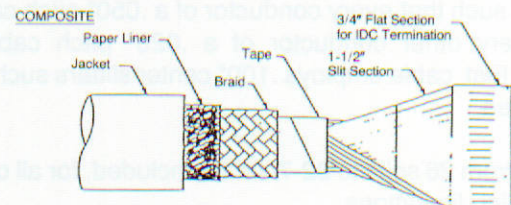
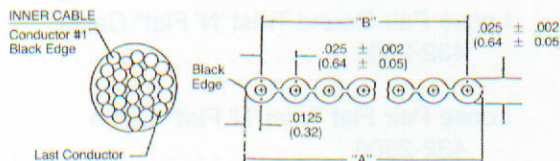
**Voltage:** 150 V  
**Impedance:** 65 ohms nominal  
**Capacitance:** 27 pf/ft. (88,6 pf/m)  
nominal @ 1.0 MHz  
**Inductance:** .12 µh/ft. (.39 µh/m)  
nominal @ 1.0 MHz  
**Propagation delay:** 1.6 ns/ft.  
(5,25 ns/m) nominal  
**Insulation resistance:** 10<sup>10</sup> ohms - 10 ft.  
(3 m) min.  
**Unbalanced crosstalk:** 10' sample,  
5 ns rise time with 2 lines driven,  
near end = 2.4% nominal  
far end = 1.0% nominal  
**Mode:** ground-signal-ground,  
shield grounded  
**UL: inner: 2678, composite: 20470**

## description

Spectra-Strip® .025" Round'N'Flat™ Cable combines mass-terminated interconnect miniaturization with the easier routing features of round cable. A repetitive sequence of slitted sections provides a choice of MIDC or hand termination. Shielding options are available to meet application requirements. The inner cable is extruded Spectra-Zip® with alternating sections that are flat. The alternating flat and slit sections also offer an advantage over standard round cable for hand termination, as conductor positions are held in sequence for easy identification.

## benefits

- High-density .025" center-to-center spacing
- Helps meet FCC requirements for EMI/RFI suppression
- Round cable / mass-terminable
- Flat sections keep conductors aligned for conductor positioning if hand-terminating
- Edge mark on #1 conductor for easy identification
- Custom capabilities available:
- UL recognized AWM 



## order information

W/FOIL/BRAID SHIELD & JACKET PART #	W/FOIL SHIELD & JACKET, NO BRAID PART #	W/CLEAR POLY & JACKET, NO SHIELD PART #	# COND	WIDTH A ZIP PROFILE		SPAN B ZIP PROFILE		*REF DIA -0XX
				INCHES	(mm)	INCHES	(mm)	
159-3003-010	159-3003-110	159-3003-210	10	.250	(6,35)	.225±.005	(5,72±0,13)	.270
159-3003-016	159-3003-116	159-3003-216	16	.400	(10,16)	.375±.005	(9,53±0,13)	.275
159-3003-020	159-3003-120	159-3003-220	20	.500	(12,70)	.475±.005	(12,07±0,13)	.280
159-3003-026	159-3003-126	159-3003-226	26	.650	(16,51)	.625±.005	(15,88±0,13)	.285
159-3003-034	159-3003-134	159-3003-234	34	.850	(21,59)	.825±.006	(20,96±0,15)	.295
159-3003-040	159-3003-140	159-3003-240	40	1.000	(25,40)	.975±.006	(24,77±0,15)	.305
159-3003-050	159-3003-150	159-3003-250	50	1.250	(31,75)	1.225±.006	(31,12±0,15)	.320
159-3003-060	159-3003-160	159-3003-260	60	1.500	(38,10)	1.475±.006	(37,47±0,15)	.340
159-3003-064	159-3003-164	159-3003-264	64	1.600	(40,64)	1.575±.006	(40,01±0,15)	.350
159-3003-068	159-3003-168	159-3003-268	68	1.700	(43,18)	1.675±.007	(42,51±0,18)	.360
159-3003-080	159-3003-180	159-3003-280	80	2.000	(50,80)	1.975±.007	(50,17±0,18)	.380
159-3099-994	TBD	TBD	100	2.500	(63,50)	2.475±.007	(62,87±0,18)	.415