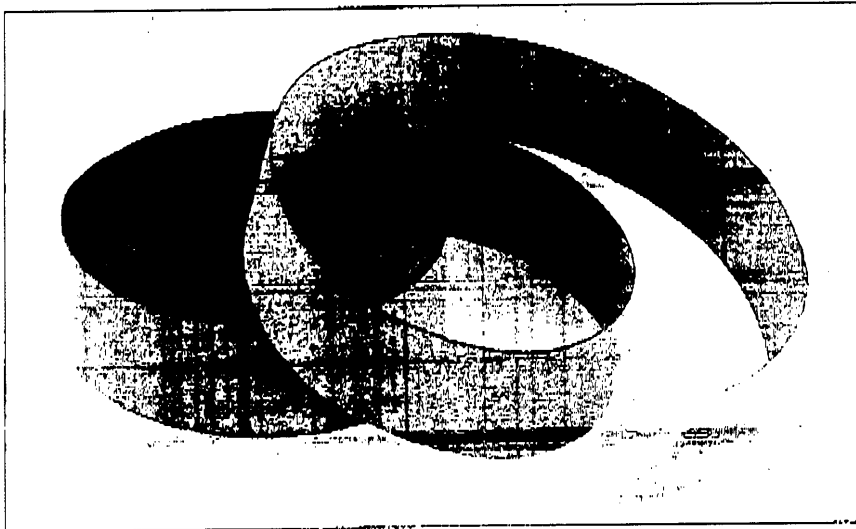


Spectra-Zip® PVC .025" center cable

191-3X0X series



description

Spectra-Strip® PVC .025" center zip cable is designed to meet industry requirements for interconnect miniaturization. Applications include any system requiring a higher signal density or an inexpensive alternative to transmission cable. Standard put-up is 100' coils. Longer lengths are available upon request.

benefits

- High density center-to-center spacing allows increased miniaturization
- Precise spacing for controlled electrical characteristics
- Easy, fast mass-termination
- Easy identification of # 1 conductor with edge mark
- Double contour allows termination from either side of cable
- UL recognized

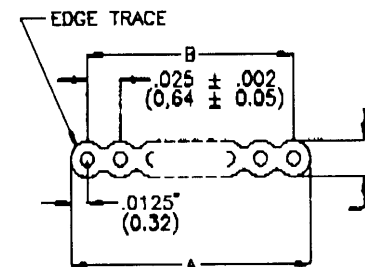
characteristics

physical

Conductors: copper, see chart below
 Insulation: .0075" (0,19mm) wall PVC
 Pitch: $0.025" \pm 0.002"$ ($0,64 \pm 0,05$ mm)
 centers
 Color: gray (one edge black)
 Temperature rating: -20°C to $+105^{\circ}\text{C}$
 (-4°F to $+221^{\circ}\text{F}$)

electrical

Voltage: 150 V
 Current rating: 0.8 amps nominal @ 10°C
 rise above ambient
 Propagation delay: 1.60 ns/ft
 (5,25 ns/m) nominal
 Insulation resistance: 10^{10} ohms - 10^9
 (3 m) min.
 Crosstalk: 10' (3 m) sample.
 5 ns rise time with 2 lines driven,
 unbalanced mode (see below)
 UL style: #2678, rated 105°C ($+221^{\circ}\text{F}$)



Part Number	191-3003	191-3005	191-3203	191-3205
Conductors	30-1 solid bare	30-7/38 tinned	32-1 solid bare	32-7/40 tinned
Thickness	.025" ± 0.002 "	.027" ± 0.002 "	.023" ± 0.002 "	.024" ± 0.002 "
Impedance	80 ohms	70 ohms	95 ohms	90 ohms
Capacitance (nominal)	19.0 p/ft (62,3 p/m) @ 1 MHz	25.0 p/ft (82,0 p/m) @ 1 MHz	18.0 p/ft (59,06 p/m) @ 1 MHz	18.0 p/ft (59,06 p/m) @ 1 MHz
Inductance (nominal)	.15 $\mu\text{H}/\text{ft}$ (.49 $\mu\text{H}/\text{m}$) @ 1.0 MHz	.14 $\mu\text{H}/\text{ft}$ (.46 $\mu\text{H}/\text{m}$) @ 1.0 MHz	.17 $\mu\text{H}/\text{ft}$ (.56 $\mu\text{H}/\text{m}$) @ 1.0 MHz	.16 $\mu\text{H}/\text{ft}$ (.52 $\mu\text{H}/\text{m}$) @ 1.0 MHz
Crosstalk	near end: * 2.6% far end: * 3.7% ** 1.0% near end: ** 2.0% far end: ** 2.0%	near end: * 2.6% far end: * 3.7% ** 1.0% near end: ** 2.0% far end: ** 2.0%	near end: * 2.6% far end: * 3.7% ** 1.0% near end: ** 2.0% far end: ** 2.0%	near end: * 2.6% far end: * 3.7% ** 1.0% near end: ** 2.0% far end: ** 2.0%

order information

30-1 BARE SOLID	30-7/38 TINNED	32-1 BARE SOLID	32-7/40 TINNED	# COND	WIDTH A		SPAN B	
PART #	PART #	PART #	PART #		INCHES	(mm)	INCHES	(mm)
191-3003-010	191-3005-010	191-3203-010	191-3205-010	10	.250	(6,35)	.225 ± 0.005	(5,72 $\pm 0,13$)
191-3003-016	191-3005-016	191-3203-016	191-3205-016	16	.400	(10,16)	.375 ± 0.005	(9,53 $\pm 0,13$)
191-3003-020	191-3005-020	191-3203-020	191-3205-020	20	.500	(12,70)	.475 ± 0.005	(12,07 $\pm 0,13$)
191-3003-026	191-3005-026	191-3203-026	191-3205-026	26	.650	(16,51)	.625 ± 0.005	(15,88 $\pm 0,13$)
191-3003-034	191-3005-034	191-3203-034	191-3205-034	34	.850	(21,59)	.825 ± 0.006	(20,96 $\pm 0,15$)
191-3003-040	191-3005-040	191-3203-040	191-3205-040	40	1.000	(25,40)	.975 ± 0.006	(24,77 $\pm 0,15$)
191-3003-050	191-3005-050	191-3203-050	191-3205-050	50	1.250	(31,75)	1.225 ± 0.006	(31,12 $\pm 0,15$)
191-3003-060	191-3005-060	191-3203-060	191-3205-060	60	1.500	(38,10)	1.475 ± 0.006	(37,47 $\pm 0,15$)
191-3003-064	191-3005-064	191-3203-064	191-3205-064	64	1.600	(40,64)	1.575 ± 0.006	(40,01 $\pm 0,15$)
191-3003-068	191-3005-068	191-3203-068	191-3205-068	68	1.700	(43,18)	1.675 ± 0.007	(42,55 $\pm 0,18$)
191-3003-080	191-3005-080	191-3203-080	191-3205-080	80	2.000	(50,80)	1.975 ± 0.007	(50,17 $\pm 0,18$)
191-3003-100	191-3005-100	191-3203-100	191-3205-100	100	2.500	(63,50)	2.475 ± 0.007	(62,87 $\pm 0,18$)