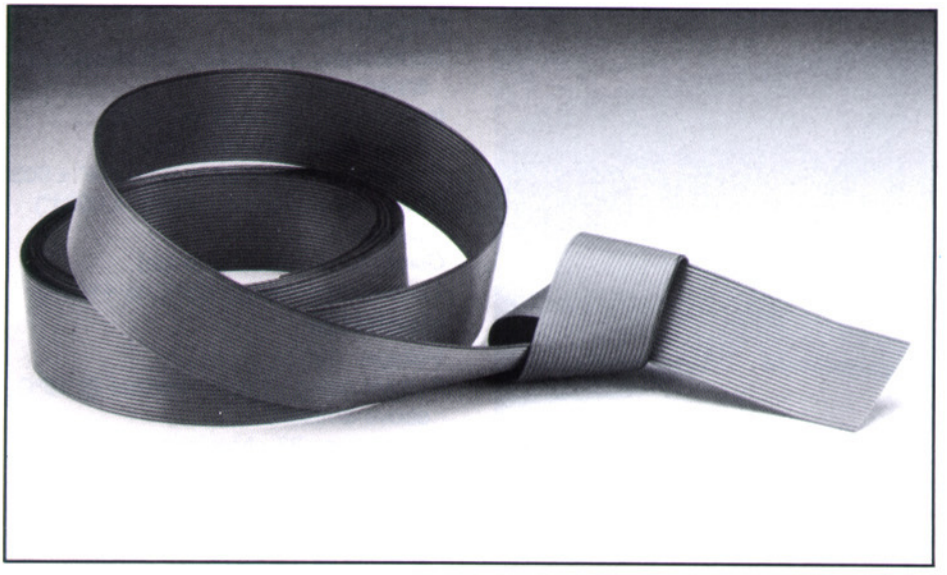
Spectra-Strip®
Spectra-Flex™
high flex life flat cable — 191-2811 series



description

The new Spectra-Flex high flex life flat cable is designed for applications that require repeated flexing without circuit interruption. A typical use would be for printers that need a flexible cable to cyclically travel back and forth, or any other application where constant flexing is required.

order information

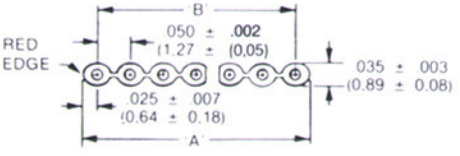
Series 843-191-2811-XXX

Part Number	No. Conds.	Width "A"		Span "B"	
		Inch	(mm)	Inch	(mm)
843-191-2811-010	10	.500	(12,70)	.450 ± .007	(11,43 ± 0,18)
843-191-2811-014	14	.700	(17,78)	.650 ± .007	(16,51 ± 0,18)
843-191-2811-016	16	.800	(20,32)	.750 ± .011	(19,05 ± 0,28)
843-191-2811-020	20	1.000	(25,40)	.950 ± .011	(24,13 ± 0,28)
843-191-2811-026	26	1.300	(33,02)	1.250 ± .011	(31,75 ± 0,28)
843-191-2811-034	34	1.700	(43,18)	1.650 ± .011	(41,91 ± 0,28)
843-191-2811-040	40	2.000	(50,80)	1.950 ± .015	(49,53 ± 0,38)
843-191-2811-050	50	2.500	(63,50)	2.450 ± .015	(62,23 ± 0,38)
843-191-2811-060	60	3.000	(76,20)	2.950 ± .015	(74,93 ± 0,38)
843-191-2811-064	64	3.200	(81,28)	3.150 ± .015	(80,01 ± 0,38)

All of the above constructions are available with nickel coated copper alloy conductors. Simply use part number series 843-191-2812-XXX when ordering.

packaging

Standard put-ups are 100-ft. (30,48 meter) rolls. Consult factory for special put-up requirements.



benefits

- Made with special alloy conductors which can withstand continuous flexing
- Conductor spacing on 0.050" (1.27mm) centers with one edge conveniently marked for conductor reference, allows IDC mass termination, reduces labor
- UL recognized
- CSA certification available

characteristics

Physical

Conductor: 28AWG, 19/40 silver plated copper alloy
Insulation: PVC
Thickness: .035" ± .003"
Pitch: .050" ± .002"
Color: Blue with red edge
Flex life: >100 million cycles ("rolling" flex test, 5½" stroke with 1" bend radius)

Electrical

Voltage: 300 volts
Impedance: 100 ohms, nom. (ground-signal-ground)
Capacitance: 14 pf/ft. (45,9 pf/m) nom. (1MHz)
Crosstalk: 10' sample, 5 ns rise time with 2 lines driven; NE = 3.0%, FE = 4.0% nom.
Propagation delay: 1.4 ns/ft. (4,6 ns/m) nom.
Insulation resistance: 10^{10} ohms—10 ft min.
Temperature rating: 105°C
UL style: Cable style 2651