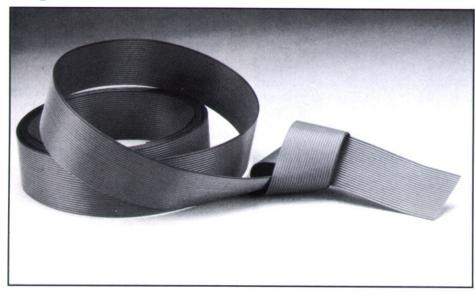
Spectra-Strip[®] Spectra-Flex[™] high flex life flat cable — 191-2811 series



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

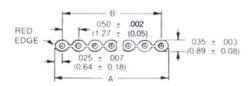
Series 843-191-2811-XXX

| Part Number | No. Conds. | Width "A" | | Span "B" | |
|------------------|---------------|-----------|---------|-----------------|--------------------|
| | | Inch | (mm) | Inch | (mm) |
| 843-191-2811-010 | 10 | .500 | (12,70) | .450 ± .007 | $(11,43 \pm 0,18)$ |
| 843-191-2811-014 | 14 | .700 | (17,78) | $.650 \pm .007$ | (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 | $(62,23 \pm 0,38)$ |
| 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 RI
- 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, 51/2" 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: 1010 ohms—10 ft

min

Temperature rating: 105°C UL style: Cable style 2651