

Fluorobus Cable

Flat Bus Ground / Power Distribution Cable

CATALOG NUMBER	CONDUCTOR	INSULATION	FINISHED DIMENSIONS	DCR	POWER RATING
SP00C0011010	Flat Solid BC 0.010" x 0.987"	Tetzel® (ETFE)	0.028 x 1.022	0.82 Ohms per 1000 ft. @ 25°C	32 Amps Nom. 100 Amps Max.
SP00C0012010	Flat Solid BC 0.020" x 0.987"	Tetzel® (ETFE)	0.037 x 1.022	0.41 Ohms per 1000 ft. @ 25°C	64 Amps Nom. 100 Amps Max.

Information is subject to change without notice.

Applications:

- Ideally suited for low-voltage primary and secondary power distribution in electronic and data processing equipment. High-speed, solid-state circuits require relatively high currents with low voltage. For this reason, it is essential that DC power distribution lines have low inductance, low resistance and high capacitance. More important, tightly bundled or laminated flat cable source-and-return circuits deliver lower impedance and higher capacitance by one to two orders of magnitude, compared to round wire circuits with equal resistance.
- This system can serve as a low-cost flexible alternative to laminated bus bars. The Fluorobus low-profile routing capability is a useful packaging feature, and its large surface area (relative to round wire conductor of equal resistance) provides improved heat dissipation, minimizes voltage drop and results in a higher current rating.
- This flat conductor circuit delivers superior EMI/RFI performance, both as a source and as a receiver.

Features	Benefits
Low Profile:	Conserves space
Flexible:	Ease of routing
Large Surface Area:	Improved heat dissipation minimizes voltage drop High current rating

Temperature Rating:

- -50°C to +150°C

Voltage Rating:

- 300 volts and 600 volts (AWM) available (consult Customer Service)

Dielectric Constant:

- 2.6

Dielectric Strength:

- 900 VRMS

Packaging and Color:

- Please consult Customer Service for packaging and color options