

Data Master® Aerospace Cable Composite Designs

Harbour's composite aerospace cables consist of conductors for both signaling and for power. Because only a single cable needs to be installed, the composite cable design contributes to reduced cost, downsizing, high reliability and higher safety. Various shielding configurations are available depending on the application.

Physical Characteristics

| Part Number | Conductor Diameter | Dielectric Diameter | Diameter over foil | Diameter over 1st braid | Diameter over 2nd braid | Cable Diameter | Temp. Rating | Weight (lbs/mft) |
|----------------|--------------------|---------------------|--------------------|-------------------------|-------------------------|----------------|--------------|------------------|
| USB 90-26/22S | .0187" SPCA | .047" | - | .176" SPC | - | .200" | 150°C | 29 |
| 1394-110-24/SS | .0150" SPCA | .050" | .106" | - | .122" SPC | .250" | 150°C | 40 |

Electrical Characteristics

| Part Number | Impedance (ohms) | Cap. (pF/ft) | Attenuation (dB/100 ft) @ | | | | | |
|----------------|------------------|--------------|---------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | | | 10 MHz Typ/Max | 100 MHz Typ/Max | 250 MHz Typ/Max | 531 MHz Typ/Max | 750 MHz Typ/Max | 1062 MHz Typ/Max |
| USB 90-26/22S | 90 | 13.0 | 3.5/4.0 | 12.2/14.6 | 23.2/26.6 | 37.0/42.5 | 46.6/53.6 | 59.7/68.6 |
| 1394-110-24/SS | 110 | 11.5 | 1.9/3.2 | 6.5/7.2 | 10.4/11.5 | 16.7/18.4 | 20.3/22.5 | 25.3/28.0 |

Additional constructions available - check with the factory for details
All figures referenced are nominal