CHO-JAC® Flat Cable EMI Shield

CHO-JAC® shielding is a high quality flat cable jacket designed to attenuate RF signals and bring digital electronic devices into compliance with FCC and TEMPEST radiated emissions limits as well as European Union and MIL-STD radiated emissions and susceptibility limits. Two standard designs permit specification of a foil/film combination which meets your shielding requirements. For moderate performance and lower cost, CJ-021 aluminum/polyester is offered. For greater shielding effectiveness, select CJ-022, constructed of copper/polyester. Alternate foils, films and colors are available on a custom basis.

FEATURES
- Designed with a 360° foil shield with bonded metal overlap. Provides the maximum EMI shielding when properly sealed and terminated.
- Sizes to fit cables with 10, 16, 20, 26, 34, 40, 50, 60 or 64 conductors.
- Meets flame retardancy requirements of UL rating 94V-0.
- Wires simplify folding and provide crack resistance.
- Very flexible, easing cable routing during assembly. Light weight.
- Pressure-sensitive adhesive eliminates heat-sealing irons and zippers.

CJ-021 and CJ-022 deliver effective EMI shielding performance at an attractive cost. The jacket is designed with a 360° aluminum or copper foil bonded to a polyester layer which resists scuff, wear and tear. Metal-to-metal contact is established as the jacket wrap is completed. Integral wires simplify folding and termination.

Cable routing during assembly is facilitated by the jacket’s flexibility, and its light weight eases strain relief requirements. Low impedance termination is accomplished by folding back the shield at the ends, and mechanically attaching the foil to a ground on the chassis. Both ends of the cable should be at the same ground potential.

SELECTION CHART

<table>
<thead>
<tr>
<th>CHO-JAC Type</th>
<th>Shielding Effectiveness</th>
<th>Flexibility</th>
<th>Corrosion Resistance</th>
<th>Relative Weight</th>
<th>Temperature Resistance</th>
<th>Chemical Resistance</th>
<th>Flame Retardancy</th>
<th>Abrasion/Tear Resistance</th>
<th>Dielectric Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ-021</td>
<td>Good</td>
<td>Excellent</td>
<td>Fair</td>
<td>Lightest</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
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<tr>
<td>CJ-022</td>
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*Wires are not recommended for termination above 50 MHz.*