## 14 Gauge Track Cross Conductors

### 4 Conductor Flat Cables (#12-4C)

<table>
<thead>
<tr>
<th>CRANE SPAN</th>
<th>10'</th>
<th>20'</th>
<th>30'</th>
<th>40'</th>
<th>50'</th>
<th>60'</th>
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<th>80'</th>
<th>90'</th>
<th>100'</th>
</tr>
</thead>
<tbody>
<tr>
<td>W/o cross arms*</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>Spark resistor**, W/o cross arms</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>Spark Resistant**, W/o cross arms</td>
<td>0</td>
<td>1</td>
<td>2</td>
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<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
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<td>9</td>
</tr>
</tbody>
</table>

** Note: Kits assume 3' loop depth (cable saddle to bottom of loop).

### System Includes:

- **Spark resistant systems may be identified by brass wheels on trolleys.**
- **Cross arms, track brackets and anchor brackets not included.**

### Installation Instructions

1. **(Models with cross arms only).** Clamp cross arms to supporting I-beam. Spacing between arms must not exceed 6" (1.68m) on center. Securely tighten clamps.
2. Hang festoon rail sections from bottom of arms or other suitable support. Use track splices to join track sections. **Note:** View through hole in splice to make sure both sections of track are inserted halfway. Carefully level and align track. Securely tighten all set screws on anchor brackets and splice brackets.
3. Insert end stop into end of track opposite cable fixing end. Clamp tightly in place.
4. Insert tow trolley or junction box trolley into cable fixing end of track followed by intermediate trolleys. (See illustrations above). Insert fixed cable clamp into track with stop angle on clamping bar facing in. **Securely tighten in place.**
5. Install cables. Stack with wider cable, if present, next to support at top of loop. Kits assume 3' loop depth (cable saddle to bottom of loop).

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### Steel Track Festoon System

**Installation**

1. **(Cross Conductor Kit Only)** Trolley to moving end of festoon system.

**Not Included:**

- **Pendant Cable (not included)**
- **Pendant Push Button Control Station (not included)**

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**Phone:** 920-387-5195 • Fax: 1-800-236-7335

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Mayville, WI 53050

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Printed in USA

Bulletin No. 63017105.b
### 14 Gauge Track Cross Conductors

#### 12 Conductor Flat Cables (1#4-16C & 1#6C)

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</tr>
</thead>
<tbody>
<tr>
<td>W/cross arms</td>
<td>HNA141</td>
<td>HNA142</td>
<td>HNA143</td>
<td>HNA144</td>
<td>HNA145</td>
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<td>HNA148</td>
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</tr>
<tr>
<td>W/O cross arms</td>
<td>HNA121</td>
<td>HNA122</td>
<td>HNA123</td>
<td>HNA124</td>
<td>HNA125</td>
<td>HNA126</td>
<td>HNA127</td>
<td>HNA128</td>
<td>HNA129</td>
<td>HNA130</td>
</tr>
<tr>
<td>Spark resistant**, W/cross arms</td>
<td>HNA213</td>
<td>HNA214</td>
<td>HNA215</td>
<td>HNA216</td>
<td>HNA217</td>
<td>HNA218</td>
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<td>HNA220</td>
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<td>HNA222</td>
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<tr>
<td>Spark Resistant**, W/O cross arms</td>
<td>HNA211</td>
<td>HNA212</td>
<td>HNA213</td>
<td>HNA214</td>
<td>HNA215</td>
<td>HNA216</td>
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</table>

** Cross arms, track brackets and anchor brackets not included.
** Spark resistant systems may be identified by brass wheels on trolleys.

#### BILLS OF MATERIAL

** 14 Gauge Track Festooned Push Button (less pendant)**

#### 16 Conductor Flat Cables (16#6C & 16#8C)

<table>
<thead>
<tr>
<th>CRANE SPAN</th>
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<tr>
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<td>HNA133</td>
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<td>HNA137</td>
<td>HNA138</td>
<td>HNA139</td>
<td>HNA140</td>
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<td>HNA122</td>
<td>HNA123</td>
<td>HNA124</td>
<td>HNA125</td>
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<td>HNA130</td>
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<tr>
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<td>HNA212</td>
<td>HNA213</td>
<td>HNA214</td>
<td>HNA215</td>
<td>HNA216</td>
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<tr>
<td>Spark Resistant**, W/O cross arms</td>
<td>HNA211</td>
<td>HNA212</td>
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** Cross arms, track brackets and anchor brackets not included.
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### 14 Gauge Track Cross Conductors

#### 12 Conductor Flat Cables (1#4-16C & 1#6C)

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<td>HNA158</td>
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<td>HNA130</td>
</tr>
<tr>
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<tr>
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<td>HNA211</td>
<td>HNA212</td>
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### 16 Gauge Track Cross Conductors

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<tbody>
<tr>
<td>W/cross arms</td>
<td>HNA161</td>
<td>HNA162</td>
<td>HNA163</td>
<td>HNA164</td>
<td>HNA165</td>
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</tr>
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<td>HNA211</td>
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** Cross arms, track brackets and anchor brackets not included.
** Spark resistant systems may be identified by brass wheels on trolleys.
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**System includes:**
- Roller track (10 foot sections)
- Track splice
- Track bracket
- Anchor bracket
- Cross arms (30")
- Locking beam clamp
- Intermediate trolley
- Power cable #10-4C (length = system + hook-up)
- Anchor bracket
- Track bracket
- Track splice
- Anchor bracket
- Cross arms (30")
- Locking beam clamp
- Intermediate trolley
- Power cable #10-4C (length + system + hook-up)
- Flat cable connector

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<tbody>
<tr>
<td>Spark resistant</td>
<td>W/A22A4</td>
<td>W/A22A4</td>
<td>W/A22A4</td>
<td>W/A22A4</td>
<td>W/A22A4</td>
<td>W/A22A4</td>
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<td>W/A22A4</td>
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**System includes:**
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**Installation Instructions**

1. Models with cross arms only. Clamp cross arms to supporting I-beam. Spacing between arms must not exceed 6" (1.8mm) on center. Securely tighten clamps.
2. Hang festoon rail sections from bottom of arms or other suitable support. Use track splices to join track sections. NOTE: View through hole in splice to make sure both sections of track are inserted half way. Carefully level and align track. Securely tighten all set screws on anchor brackets and splice brackets.
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