MC Vs. MI: COST COMPARISON
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The National Electrical Contractors Association (NECA) publishes labor rates for installation of electrical components. Using the NECA labor rates, we compared the labor units of MC vs. MI and noticed that it takes additional time and cost to install and terminate the MI Cable. Take a look below!

### Labor Comparison

<table>
<thead>
<tr>
<th>Cable Construction</th>
<th>MC Installation labor hrs.*</th>
<th>MI Installation labor hrs.*</th>
<th>% more MI labor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4C 14AWG</td>
<td>20</td>
<td>55</td>
<td>64%</td>
</tr>
<tr>
<td>2C 10AWG</td>
<td>21</td>
<td>60</td>
<td>68%</td>
</tr>
<tr>
<td>3C 1AWG</td>
<td>24</td>
<td>70</td>
<td>66%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable Construction</th>
<th>MC Terminated labor hrs.*</th>
<th>MI Terminated labor hrs.*</th>
<th>% more MI labor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4C 14AWG</td>
<td>.06</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2C 10AWG</td>
<td>.06</td>
<td>.6</td>
<td>90%</td>
</tr>
<tr>
<td>3C 1AWG</td>
<td>.06</td>
<td>.7</td>
<td>91%</td>
</tr>
</tbody>
</table>

Time = Money! See example below.*

**MC Cable**

- **Cable cost** - $30,000
- **Cable install** = 3x20 = 60 hrs. x $100 = $6,000
- **Connectors** - $73 x 12 = $876
- **Termination** - 12 x .07 = .84 hrs. x $100 = $84

Total - $36,960

**MI Cable**

- **Cable cost** - $30,000
- **MI 3C 10AWG pricing** of $10/ft. with 6 runs of 500’
- **Cable install** = 3000’ or labor units of 210 hrs. (3x70) with NYC union contractor at $100/hr. = $21,000
- **Connectors** - six runs = 12 connections .7x12 = 8.4 hrs. x $100/hr. = $840
- **Termination** - $73 x 12 = $876

Total - $52,716

*Cost comparison data created and comprised by RSCC. / Pricing and situation may vary from market and location.
History --
RSCC was established in 1996, when the former Rockbestos Company, New Haven, Connecticut, and the former Surprenant Cable Corporation, Clinton, Massachusetts, were combined as one entity as a member company of The Marmon Group. RSCC eventually consolidated and now operates in its current facility in East Granby, Connecticut. RSCC Wire & Cable has the management and financial strength needed to sustain its leadership and tradition of excellence also working with its 14 other affiliates involved in designing and producing high performance cables for demanding applications.

Products –
RSCC products are specified for chemical resistance, moisture resistance, mechanical abuse, extreme temperatures, radiation, corrosion, flame, and other conditions degrading to wire and cable systems. Recognized brands include Exane®, VITALink®, FireWall®, and PermaTEC®

- Armored Cables
- Control Cables
- Critical Circuit Cables
- Fire Resistant Cables
- Hook-Up Wire
- Instrumentation Cables
- High Voltage Wire & Cable
- Rig Cables
- Sensor Cables
- Thermocouple Tray Cables

Markets Served –
- Oil and gas drilling and production
- Nuclear and fossil generation/cogeneration
- Rail transit and mass transit systems
- Industrial markets (refining, pulp, paper, steel, and glass, mining)
- Fire Safety and Critical circuits for emergency systems