Plant Floor Opportunity Map
Wire and Cable

General Cable

CAROL BRAND

1. **Tool Crib – Maintenance Closet**

There are wire and cable products that are used every day in the MFG setting and are key stock items in a Tool Crib or Maintenance Closet.

UL 1007 and UL 1015 Hook-Up Wire - 7 colors page 444, MTW wire – 11 colors page 444

Portable Cord – Type SOOW, SJOOW page 446, Electronics Cable – Multi Conductor, Multi-Paired, Shielded, Unshielded, Page 439, Data Communications Cables - Cat 5e and Cat 6, UTP and STP Page 437

Top Moving Parts: 5MD21, 1W926, 5W578, 2W378, 5MD17, 4DPN4, 4DPN5, 2W985, 1YRB6, 1YRB4, 1YRE1, 1YRF4, 5ZDG5, 5ZDF1, 5ZJL1

2. **Warehouse - Hoists, Cranes and Lifts**

Wire and Cable for hoists, cranes and lifts needs to be tough and flexible. Electrical cables for power and electronics cables for signals and commands are used here.

Portable Cord – Super VuTron®, SOOW, SJOOW Pages 446-447, Electronics Cables – Page 439

Top Moving Parts: 3ZK63, 5W578, 2W378, 3W476, 5ZG87, 4DPN4, 4DPN5, 4DPN6, 2W978, 2W595

3. **Manufacturing Line – Shielded Cables**

Manufactured and processing machines emit a tremendous amount of electromagnetic noise which interferes with critical signal and data transmission. Shielded cables are critical in the elimination of signal interference and are key components for optimal machine performance.

Electronics – Multi-Conductor Foil and Braid Shield, Multi-Paired Shielded and Individually Shielded Cables, Flexible Shielded Cables, Shielded Coax Cables, Shielded Cat 5e and Cat 6 Cables. Pages 437 and 439

Top Moving Parts: 2W978, 2W595, 2W985, 1MWZ2, 4DPN5, 3ZK56, 2W989, 2W984, 4W002, 3ZK59, 3ZK54, 4DPN4

4. **Raw Materials – Storage and Handling**

Many controls are used in the storage and handling of raw materials. Meters, scales and controls are used in measuring, weighing and dispensing. Also temperature and moisture controls are critical in keeping raw materials safe and functional.

Electronics Cable – Multi Conductor, Multi-Paired, Shielded, Unshielded, Page 439, Data Communications Cables - Cat 5e and Cat 6, UTP and STP Page 437

Top Moving Parts: 4W002, 2W989, 2W996, 2W998, 2W999, 4DNZ3, 2W594, 4DNY9, 4DNZ1, 2W596, 2W983, 5ZJP9, 5ZJP2, 5ZJP3, 5ZJN1, 5ZJN5

5. **Emergency Station - Fire Alarm and Security**

With today's sophisticated and highly technical security, surveillance and fire protection equipment, it is paramount to have the highest quality wire and cable solution that meets or exceeds all regulatory industry requirements. Carol Brand® sound and security cable designs are proven to deliver the quality performance that this segment demands.

Electronic Security and Alarm – FPLR and FPLP fire alarm cable, Shielded and Unshielded Cables, Coaxial Cables, Intercom and PA system cables, Cat 5e and Cat 6 Cables. Pages 441, 436, and 437.

Top Moving Parts: 1ATJ3, 1ATJ6, 4DPN4, 4DPN6, 4DPN8, 1ATJ4, 1ATJ7, 4DPN5, 4DPN8, 4DPJ6, 1MUH8, 1MUF1, 5MD18, 3ZK40, 1ATG5, 4DNY6, 1ATG8, 3ZK58, 4DNY3

6. HVAC System – Heat/AC and Ventilation Systems and Controls

The air quality of a facility is not only limited to the office space. Climate control and clean-air rooms can play important roles in the manufacturing and production process.

Electronics Cable – CMR –Riser rated cables, CMP – Plenum rated cables, Multi Conductor, Multi-Paired, Shielded, Unshielded, Page 439

Top Moving Parts: 5ZJP2, 5ZJP3, 5ZJN9, 5ZJN5, 2W595, 4DNZ1, 2W983, 2W998, 2W994, 4A637, 4A639

7. Machine Shop – Portable power and Welding

The rough environment of the machine shop puts heavy demands on wire and cable products. Carol Brands line of Super VuTron and Carolprene cable stand up to the harsh environment of the machine shop.

Portable Cord – Super VuTron® cables, SOOW and SJOOW cables, Welding cables, Frog Hide Extension Cords. Page 443, 446, 447

Top Moving Parts: 1UGT5, 1UGT6, 6X778, 2W283, 2TKX4, 2TKX2, 2TKX5, 2W378, 5ZDD3, 5ZDD1

8. Front Office – Sound, Security, Data Communications

Starting at the front door security requirements for video, card reader and access control requires a quality wire and cable solution. The front office is the information hub for the manufacturing facility. All orders, inventory tracking and shipping information will flow through the data center in the front office and Genspeed® and Carol Brand products ensure top performance .

Data Communications Cables – Cat 5e and Cat 6, CMR – Riser and CMP Plenum type cables, Access Control Cables, Sound and Security Cables. Pages 441, 436, 437, 438

Top Moving Parts: 5MD21, 1MUL7, 1MUN1, 5MD20, 4DNY4, 1ATG1, 3PYV8, 3PYV6, 1ATL4, 2W485

9. Manufacturing Line – Rough Environment

In manufacturing situations where oil, liquids, vapors and other substances can attack the jacketing of most cables, Carol Brand® Exzel™ and Super VuTron® cables are designed to withstand the harsh environments of manufacturing where cable failure is not an option.

Portable Cord - Super VuTron® SOOW and SJOOW.   Electronics Cables – Exzel™ Cables, multi-conductor shielded and unshielded cables

Top Moving Parts: 2TKW9, 2TKX4, 2TKX3, 2TKX6, 2TKW5, 2TKW7, 24W740, 24W742, 24W754, 24W773

10. Manufacturing Floor – Equipment Move

The manufacturing floor is in constant with equipment moves due to maintenance, repair and replacement. Manufacturing lines are always on the move. Temporary and portable power are in constant need to keep equipment running efficiently and to keep down-time at a minimum.
Portable Cord – SOOW and SJOOW Cords, Bus Drop Cable, Tray Cable, Power Limited Tray Cable Pages – 443, 446
Top Moving Parts – 3ZK69, 1YPX2, 4DPE3, 1UNG9, 1UNH1, 1UNH5, 4DNW7, 4DNX3, 4DNX8, 4DNX5, 2W378, 3W477, 3W476, 2TKX4

For more information, please contact your Grainger Representative or visit Grainger.com®