


| Model Number<br><b>050-15</b>  | <b>COILED 2 CONDUCTOR SHIELDED CABLE</b> |                             |   | Revision: NR<br>ECN #: |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
|--|--|-----------------------------|---|------------------------|--------------------|----------------------|-------------------|---------------------|--------------|-----------------------|-----------------------|-----------------------|----------------------|--------------|
| <b>Performance</b>   | <b>ENGLISH</b>                           | <b>SI</b>                   | <b>OPTIONAL VERSIONS</b>  |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Number of Conductors   | 2  | 2                           | Optional versions have identical specifications and accessories as listed for the standard model                        |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Cable Style  | Multi Conductor - Shielded               | Multi Conductor - Shielded  | except where noted below. More than one option may be used.   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Cable Configuration  | Not Twisted                              | Not Twisted                 |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| <b>Environmental</b>   |  |                             |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Temperature Range  | -22 to +176 °F                           | -30 to +80 °C               |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| <b>Electrical</b>  |  |                             |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Capacitance (conductor to conductor @ 70 °F (21 °C))   | 31 pF/ft                                 | 102 pF/m                    | [1]   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Voltage Rating (rms - maximum)   | 300 V                                    | 300 V                       |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| <b>Physical</b>  |  |                             | <b>NOTES:</b>   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Cable Jacket Diameter (± .010 in)  | 0.21 in                                  | 5.33 mm                     | [1]   | [1] Typical.           |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Cable Jacket Material  | TPE                                      | TPE                         |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Cable Jacket Color   | Black                                    | Black                       |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Conductor Style  | Stranded - 21 Strands 36                 | Stranded - 21 Strands 36    |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Conductor Material   | Tin Plated Copper                        | Tin Plated Copper           |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Conductor Diameter (23 AWG)  | 0.028 in                                 | 0.711 mm                    | [1]   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Insulation Material Over Conductor(s)  | Polypropylene                            | Polypropylene               |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Shield Type Over Conductor(s)  | Braid: 90% Minimum Coverage              | Braid: 90% Minimum Coverage |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Shield Material Over Conductor(s)  | Tinned Copper                            | Tinned Copper               |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Bend Radius (minimum)  | 2.1 in                                   | 53.3 mm                     |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| Weight   | 0.60 lb                                  | 0.27 gm/m                   | [1]   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| <i>All specifications are at room temperature unless otherwise specified.</i>  |  |                             |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
| <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>  |  |                             |   |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
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| <table border="1"> <tr> <td data-bbox="1121 576 1289 617">Entered: <i>ZH</i></td> <td data-bbox="1289 576 1457 617">Engineer: <i>QMP</i></td> <td data-bbox="1457 576 1625 617">Sales: <i>MFG</i></td> <td data-bbox="1625 576 1793 617">Approved: <i>MB</i></td> <td data-bbox="1793 576 1942 617">Spec Number:</td> </tr> <tr> <td data-bbox="1121 617 1289 673">Date: <i>10/31/05</i></td> <td data-bbox="1289 617 1457 673">Date: <i>10/31/05</i></td> <td data-bbox="1457 617 1625 673">Date: <i>10/31/05</i></td> <td data-bbox="1625 617 1793 673">Date: <i>11/1/05</i></td> <td data-bbox="1793 617 1942 673"><b>31941</b></td> </tr> </table> |  |                             |   |                        | Entered: <i>ZH</i> | Engineer: <i>QMP</i> | Sales: <i>MFG</i> | Approved: <i>MB</i> | Spec Number: | Date: <i>10/31/05</i> | Date: <i>10/31/05</i> | Date: <i>10/31/05</i> | Date: <i>11/1/05</i> | <b>31941</b> |
| Entered: <i>ZH</i>   | Engineer: <i>QMP</i>                     | Sales: <i>MFG</i>           | Approved: <i>MB</i>   | Spec Number:           |                    |                      |                   |                     |              |                       |                       |                       |                      |              |
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|   |  |                             | <b>IMI Sensors</b><br>3425 Walden<br>Depew, NY 14043<br>Phone: 800-959-4464<br>Fax: 716-684-3823<br>E-Mail: imi@pcb.com |                        |                    |                      |                   |                     |              |                       |                       |                       |                      |              |