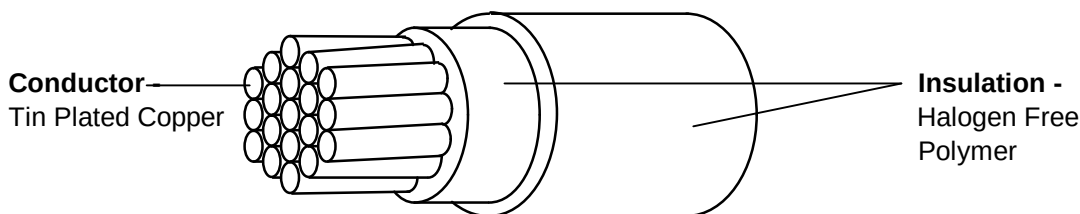


**WIRE, HALOGEN FREE, THIN WALL,  
750/1300 VOLT AC, 125°C**

The complete requirements for procuring the wire described herein shall consist of this document.



| Part<br>Description | Nominal<br>Cross<br>Sectional<br>Area<br>(mm²) | Nominal<br>Conductor<br>Stranding<br>No./Diam.<br>(mm) | Equivalent<br>AWG<br>Size | Conductor<br>Diameter<br>(mm) |        | FINISHED WIRE                              |                                              |                        |      |      | Maximum<br>Weight<br>(kg/km) |
|---------------------|------------------------------------------------|--------------------------------------------------------|---------------------------|-------------------------------|--------|--------------------------------------------|----------------------------------------------|------------------------|------|------|------------------------------|
|                     |                                                |                                                        |                           |                               |        | Minimum<br>Insulation<br>Thickness<br>(mm) | Maximum<br>Resistance<br>@ 20°C<br>(ohms/km) | Diameter<br>(mm)       |      |      |                              |
|                     |                                                |                                                        |                           | Lower<br>Spec<br>Limit        | Target |                                            |                                              | Upper<br>Spec<br>Limit |      |      |                              |
| 100G0111-0.15-*     | 0.15                                           | 19/0.10                                                | 26                        | 0.45                          | 0.50   | 0.20                                       | 132.9                                        | 0.98                   | 1.03 | 1.08 | 2.59                         |
| 100G0111-0.25-*     | 0.25                                           | 19/0.13                                                | 24                        | 0.55                          | 0.63   | 0.20                                       | 84.32                                        | 1.09                   | 1.14 | 1.19 | 3.59                         |
| 100G0111-0.40-*     | 0.40                                           | 19/0.16                                                | 22                        | 0.73                          | 0.79   | 0.20                                       | 50.50                                        | 1.28                   | 1.33 | 1.38 | 5.18                         |
| 100G0111-0.50-*     | 0.50                                           | 19/0.18                                                | -                         | 0.82                          | 0.90   | 0.20                                       | 40.10                                        | 1.37                   | 1.40 | 1.45 | 6.60                         |
| 100G0111-0.60-*     | 0.60                                           | 19/0.20                                                | 20                        | 0.95                          | 1.01   | 0.20                                       | 31.10                                        | 1.47                   | 1.52 | 1.57 | 7.40                         |
| 100G0111-0.75-*     | 0.75                                           | 19/0.23                                                | -                         | 1.04                          | 1.15   | 0.20                                       | 26.70                                        | 1.59                   | 1.60 | 1.65 | 8.90                         |
| 100G0111-1.00-*     | 1.00                                           | 19/0.25                                                | 18                        | 1.17                          | 1.26   | 0.20                                       | 20.00                                        | 1.69                   | 1.75 | 1.80 | 10.70                        |
| 100G0111-1.20-*     | 1.20                                           | 19/0.29                                                | 16                        | 1.32                          | 1.42   | 0.20                                       | 15.80                                        | 1.88                   | 1.93 | 1.98 | 13.60                        |
| 100G0111-1.50-*     | 1.50                                           | 37/0.23                                                | 15                        | 1.46                          | 1.58   | 0.20                                       | 13.70                                        | 2.03                   | 2.08 | 2.13 | 16.00                        |
| 100G0111-2.00-*     | 2.00                                           | 37/0.25                                                | 14                        | 1.68                          | 1.82   | 0.20                                       | 10.50                                        | 2.31                   | 2.36 | 2.41 | 20.30                        |
| 100G0111-2.50-*     | 2.50                                           | 37/0.29                                                | 13                        | 1.85                          | 2.01   | 0.25                                       | 8.21                                         | 2.50                   | 2.55 | 2.63 | 25.70                        |
| 100G0111-3.00-*     | 3.00                                           | 37/0.32                                                | 12                        | 2.12                          | 2.24   | 0.25                                       | 6.58                                         | 2.70                   | 2.78 | 2.86 | 31.00                        |
| 100G0111-4.00-*     | 4.00                                           | 56/0.30                                                | -                         | 2.41                          | 2.57   | 0.25                                       | 4.89                                         | 3.01                   | 3.09 | 3.17 | 43.60                        |

**COLOUR CODE:** The '\*' in the part number shall be replaced by a standard colour code designator in accordance with Mil Std 681.  
eg: 100G0111-1.00-2 Red insulation

**PERFORMANCE REQUIREMENTS:** All sizes shall be tested and meet the requirements of the issue in effect of WSD 912  
Sizes Indicated with # shall also meet the requirements of the issue in effect of ENG-SYS-825-904

This product will be available in the full colour range and may be marked or unmarked in accordance with the order.

**APPROVAL:** Electronic sign off - no signatures will appear.

# Mouser Electronics

Authorized Distributor

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## TE Connectivity:

[100G0111-0.40-0](#) [100G0111-2.00-0](#) [100G0111-1.20-0](#) [100G0111-1.00-9](#) [100G0111-1.00-2](#) [100G0111-0.25-9](#)  
[100G0111-0.50-2](#) [100G0111-0.50-6](#) [100G0111-0.60-0](#) [100G0111-0.50-9](#) [100G0111-0.25-2](#) [100G0111-0.50-0](#)  
[100G0111-0.25-0](#) [100G0111-0.40-9](#) [100G0111-0.25-6](#) [100G0111-1.00-0](#) [100G0111-3.00-0](#) [100G0111-0.60-9](#)  
[100G0111-0.50-45](#) [100G0111-3.00-6](#) [100G0111-0.40-2](#) [100G0111-1.20-9](#) [100G0111-0.40-45](#) [100G0111-0.60-2](#)  
[100G0111-0.60-5](#) [100G0111-0.60-3](#) [100G0111-0.60-7](#)