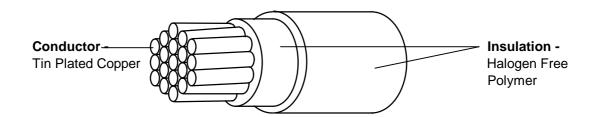


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## WIRE, HALOGEN FREE, THIN WALL, 750/1300 VOLT AC, 125°C

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



|   | Part            | Nominal   | Nominal   |            | Conc     | luctor | FINISHED WIRE |            |          |        |        |         |
|---|-----------------|-----------|-----------|------------|----------|--------|---------------|------------|----------|--------|--------|---------|
|   | Description     | Cross     | Conductor | Equivalent | Diameter |        | Minimum       | Maximum    | Diameter |        |        | Maximum |
|   |                 | Sectional | Stranding | AWG        | (mm)     |        | Insulation    | Resistance | (mm)     |        | Weight |         |
|   |                 | Area      | No./Diam. | Size       |          |        | Thickness     | @ 20°C     | Lower    |        | Upper  | (kg/km) |
|   |                 | (mm²)     | (mm)      |            |          |        | (mm)          | (ohms/km)  | Spec     | Target | Spec   |         |
|   |                 |           |           |            | Min.     | Max.   |               |            | Limit    |        | 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 All sizes shall be tested and meet the requirements of the issue in effect of

REQUIREMENTS: 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.

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