

# Fair-Rite P/N **296166651**

## 61 Material Grade

## Nominal Chemical Composition

### Supporting notes:

1. P/N 296166651 consists of:
  - a core 61 Material Grade
  - b wire Pb- Free Plated Round Cu Wire
2. Moisture Sensitivity Level (MSL)= 1
3. Max Reflow Temp= 260 degC
4. Max Time at Max Reflow Temp= 10 sec
5. RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
6. RoHS Conversion Date= 1/1/2005  
RoHS Compliance Marking is
7. Contained on Shipping Labels

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= <b>1.200</b>	Compound Weight (g) Breakdown of 61 Material
Fe2O3	1309-37-1	72	0.8640	
ZnO	1314-13-2	13	0.1560	
NiO	1313-99-1	11	0.1320	
MnO	1344-43-0	2	0.0240	
CuO	1317-38-0	1	0.0120	
CoO	1307-96-6	1	0.0120	

## Pb- Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= <b>0.100</b>	Element Weight (g) Breakdown of Pb-Free Plated Round Cu Wire
Cu	7440-50-8	92.9	0.09290	
Plating:				
Ni	7440-02-0	1.2	0.00120	
Sn	7440-31-5	5.9	0.00590	

## Calculated Maximum Levels of RoHS Restricted Substances Present in 61 Material Grade

<u>Impurity</u> , <u>Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= <b>1.200</b>	RoHS Impurity Substance Weight (g) Breakdown of 61 Material
Cr+6	1000	0.00	0	
<b>Cd</b>	100	<b>3.70</b>	0.00000444	
<b>Hg</b>	1000	<b>0.10</b>	0.00000012	
<b>Pb</b>	1000	<b>7.00</b>	0.00000084	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	