

# Fair-Rite P/N **2761001112**

## 61 Material Grade

## Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= <b>0.219</b>	Compound Weight (g) Breakdown of 61 Material
Fe2O3	1309-37-1	72	0.1577	
ZnO	1314-13-2	13	0.0285	
NiO	1313-99-1	11	0.0241	
MnO	1344-43-0	2	0.0044	
CuO	1317-38-0	1	0.0022	
CoO	1307-96-6	1	0.0022	

## Pb- Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= <b>0.181</b>	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	94.4	0.17086	
Plating:				
Ni	7440-02-0	0.9	0.00163	
Sn	7440-31-5	4.7	0.00851	

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

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= <b>0.219</b>	RoHS Impurity Substance Weight (g) Breakdown of 61 Material
Cr+6	1000	0.00	0	
<b>Cd</b>	100	<b>3.70</b>	8.103E-07	
<b>Hg</b>	1000	0.10	2.19E-08	
<b>Pb</b>	1000	<b>7.00</b>	0.000001533	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

### Supporting notes:

- P/N 2761001112 consists of:
  - core 61 Material Grade
  - wire Pb- Free Plated Round Cu Wire
- RoHS Conversion Date= 1/1/2005
- RoHS Compliance Marking is Contained on Shipping Labels
- Max Time at Max Reflow Temp= 10 sec
- RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
- RoHS Conversion Date= 1/1/2005
- RoHS Compliance Marking is Contained on Shipping Labels