

Fair-Rite P/N **2752065447**

52 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 1.57	Compound Weight (g) Breakdown of 52 Material
Fe2O3	1309-37-1	63	0.9891	
ZnO	1314-13-2	17	0.2669	
NiO	1313-99-1	14	0.2198	
CuO	1317-38-0	5	0.0785	
CoO	1307-96-6	1	0.0157	

Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.23	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	93.3	0.21459	
Plating:				
Ni	7440-02-0	2.2	0.00506	
Sn	7440-31-5	4.5	0.01035	

Calculated Maximum Levels of RoHS Restricted Substances Present in 52 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= 1.570	RoHS Impurity Substance Weight (g) Breakdown of 52 Material
Cr+6	1000	0	0	
Cd	100	4.93	7.7401E-06	
Hg	1000	0.13	2.041E-07	
Pb	1000	9.30	0.000014601	
PBB	1000	0	0	
PBDE	1000	0	0	
Bis(2-Ethylhexyl) phthalate (DEHP)	1000	0	0	
Benzyl butyl phthalate (BBP)	1000	0	0	
Dibutyl phthalate (DBP)	1000	0	0	
Diisobutyl phthalate (DIBP)	1000	0	0	

Supporting notes:

1. P/N 2752065447 consists of:
 - a core 52 Material Grade
 - b wire Pb- Free Plated Flat Cu Wire
2. Moisture Sensitivity Level (MSL)= 1
3. Max Reflow Temp= 260 degC
4. Max Time at Max Reflow Temp= 40 sec
5. RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
6. RoHS Conversion Date= 1/1/2005
7. RoHS Compliance Marking is Contained on Shipping Labels