

Fair-Rite P/N **2752041446**

52 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)=	
			0.49	
Fe2O3	1309-37-1	63	0.3087	Compound Weight (g) Breakdown of 52 Material
ZnO	1314-13-2	17	0.0833	
NiO	1313-99-1	14	0.0686	
CuO	1317-38-0	5	0.0245	
CoO	1307-96-6	1	0.0049	

Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)=	
			0.04	
Cu	7440-50-8	93.3	0.03732	Element Weight (g) Breakdown of Pb- Free Plated Flat Cu Wire
Plating:				
Ni	7440-02-0	2.2	0.00088	
Sn	7440-31-5	4.5	0.00180	

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)=	
			0.490	
Cr+6	1000	0.00	0	RoHS Impurity Substance Weight (g) Breakdown of 52 Material
Cd	100	4.93	2.4157E-06	
Hg	1000	0.13	6.37E-08	
Pb	1000	9.30	0.000004557	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

Supporting notes:

1. P/N 2752041446 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