

Fair-Rite P/N **275255567**

52 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 0.960	Compound Weight (g) Breakdown of 52 Material
Fe2O3	1309-37-1	63	0.6048	
ZnO	1314-13-2	17	0.1632	
NiO	1313-99-1	14	0.1344	
CuO	1317-38-0	5	0.0480	
CoO	1307-96-6	1	0.0096	

Pb-Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.109	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	94.4	0.10290	
Plating:				
Ni	7440-02-0	0.9	0.00098	
Sn	7440-31-5	4.7	0.00512	

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)= 0.960	RoHS Impurity Substance Weight (g) Breakdown of 52 Material
Cr+6	1000	0.00	0	
Cd	100	4.93	4.7328E-06	
Hg	1000	0.13	1.248E-07	
Pb	1000	9.30	0.000008928	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

Supporting notes:

1. P/N 275255567 consists of:
 - a core 52 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= 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