

Fair-Rite P/N **294477721**

44 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 3.279	Compound Weight (g) Breakdown of 44 Material
Fe2O3	1309-37-1	64	2.0986	
ZnO	1314-13-2	21	0.6886	
NiO	1313-99-1	11	0.3607	
CuO	1317-38-0	4	0.1312	

Supporting notes:

1. P/N 294477721 consists of:
 - a core 44 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
RoHS Compliance Marking is
7. Contained on Shipping Labels

Pb-Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.621	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	94.4	0.58622	
Plating:				
Ni	7440-02-0	0.9	0.00559	
Sn	7440-31-5	4.7	0.02919	

Calculated Maximum Levels of RoHS Restricted Substances Present in 44 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= 3.279	RoHS Impurity Substance Weight (g) Breakdown of 44 Material
Cr+6	1000	0.00	0	
Cd	100	6.09	1.99691E-05	
Hg	1000	0.09	2.9511E-07	
Pb	1000	10.90	3.57411E-05	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	