

Fair-Rite P/N **2944777741**

44 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 3.300	Compound Weight (g) Breakdown of 44 Material
Fe2O3	1309-37-1	64	2.1120	
ZnO	1314-13-2	21	0.6930	
NiO	1313-99-1	11	0.3630	
CuO	1317-38-0	4	0.1320	

Pb- Free Plated Round Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.500	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	92.9	0.46450	
Plating:				
Ni	7440-02-0	1.2	0.00600	
Sn	7440-31-5	5.9	0.02950	

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)= 3.300	RoHS Impurity Substance Weight (g) Breakdown of 44 Material
Cr+6	1000	0.00	0	
Cd	100	6.09	0.000020097	
Hg	1000	0.09	0.000000297	
Pb	1000	10.90	0.00003597	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

Supporting notes:

- P/N 2944777741 consists of:
 - core 44 Material Grade
 - wire Pb- Free Plated Round Cu Wire
- Moisture Sensitivity Level (MSL)= 1
- Max Reflow Temp= 260 degC
- Max Time at Max Reflow Temp= 40 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