

Fair-Rite P/N 2744044447

44 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 0.073	Compound Weight (g) Breakdown of 44 Material
Fe2O3	1309-37-1	63.97	0.04670	
ZnO	1314-13-2	21.00	0.01533	
NiO	1313-99-1	11.00	0.00803	
CuO	1317-38-0	4.00	0.00292	
Bi2O3	1304-76-3	0.03	0.00002	

Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.017	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	93.3	0.01586	
Plating:				
Ni	7440-02-0	2.2	0.00037	
Sn	7440-31-5	4.5	0.00077	

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

Impurity Substance	RoHS Threshold (ppm):	ppm	Substance Weight (g)
Hexavalent chromium (Cr+6)	1000	0.00	0
Cadmium (Cd)	100	6.09	0.000000445
Mercury (Hg)	1000	0.09	0.000000007
Lead (Pb)	1000	10.90	0.000000796
Polybrominated biphenyl (PBB)	1000	0.00	0
Polybrominated diphenyl (PBDE)	1000	0.00	0
Bis(2-Ethylhexyl) phthalate (DEHP)	1000	0.00	0
Benzyl butyl phthalate (BBP)	1000	0.00	0
Dibutyl phthalate (DBP)	1000	0.00	0
Diisobutyl phthalate (DIBP)	1000	0.00	0

Supporting notes:

- P/N 2744044447 consists of:
 - core 44 Material Grade
 - wire Pb- Free Plated Flat 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