

Fair-Rite P/N **2761021447**

61 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)=	
			0.278	
Fe2O3	1309-37-1	72	0.20016	Compound Weight (g) Breakdown of 61 Material
ZnO	1314-13-2	13	0.03614	
NiO	1313-99-1	11	0.03058	
MnO	1344-43-0	2	0.00556	
CuO	1317-38-0	1	0.00278	
CoO	1307-96-6	1	0.00278	

Supporting notes:

1. P/N 2761021447 consists of:
 - a core 61 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
RoHS Compliance Marking is
7. Contained on Shipping Labels

Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)=	
			0.022	
Cu	7440-50-8	94.8	0.02086	Element Weight (g) Breakdown of Pb- Free Plated Flat Cu Wire
Plating:				
Ni	7440-02-0	1.7	0.00037	
Sn	7440-31-5	3.5	0.00077	

Calculated Maximum Levels of RoHS Restricted Substances Present in 61 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)=	
			0.278	
Hexavalent chromium (Cr+6)	1000	0.00	0	RoHS Impurity Substance Weight (g) Breakdown of 61 Material
Cadmium (Cd)	100	3.70	1.0286E-06	
Mercury (Hg)	1000	0.10	2.78E-08	
Lead (Pb)	1000	7.00	0.000001946	
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	