

Fair-Rite P/N **2773044447**

73 Material Grade

Nominal Chemical Composition

<u>Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= 0.082	Compound Weight (g) Breakdown of 73 Material
Fe2O3	1309-37-1	67	0.0549	
ZnO	1314-13-2	14	0.0115	
MnO	1344-43-0	19	0.0156	

Pb- Free Plated Flat Cu Wire

<u>Element</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of wire (g)= 0.015	Element Weight (g) Breakdown of Pb- Free Plated Round Cu Wire
Cu	7440-50-8	93.3	0.01400	
Plating:				
Ni	7440-02-0	2.2	0.00033	
Sn	7440-31-5	4.5	0.00068	

Parylene Coating

<u>Compound</u>	<u>CAS Number</u>	<u>wt%</u>	Wt of Parylene (g)= 0.003	Compound Weight (g) Breakdown of Parylene Coating
Parylene	28804-46-8	100	0.003	

Calculated Maximum Levels of RoHS Restricted Substances Present in 73 Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm)</u>	<u>ppm</u>	Wt of core (g)= 0.082	RoHS Impurity Substance Weight (g) Breakdown of 73 Material
Cr+6	1000	0.00	0	
Cd	100	3.70	3.034E-07	
Hg	1000	0.10	8.2E-09	
Pb	1000	8.25	6.765E-07	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	

Supporting notes:

- P/N 2773044447 consists of:
 - core 73 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