

Appendices

YARN TEST RESULTS

Denier

No.	Conductive yarn sample codes	Denier	Non conductive yarn sample codes	Denier
1	Al	580	C1	130
2	Cu-C	675	P1	75
3	Cu-F	315	P2	155
4	CuN	75	P3	70
5	C	80		
6	CuJ	135		
7	CJ-T	790		
8	CJ-R	435		
9	Ag	835		
10	S.S.	730		
11	AgN	175		
12	S.S./P	170		

Stress-Strain

Conductive yarn sample codes	Maximum load (gf)	Extension At max (mm)	% Strain	Stress in gm/den	Modulus gm/den
Al	736.3877	59.6312	29.8156	1.2674	151.1320
Cu-C	414.3872	2.0573	1.0286	0.6121	98.6077
Cu-F	190.8556	2.0098	1.0049	0.6021	92.6671
CuN	299.8852	66.1469	33.0734	3.9984	12.8407
C	186.8315	34.8721	17.4361	2.3354	19.7573
CuJ	103.4589	28.8906	14.4453	0.7664	13.4106
CJ-T	1136.5300	21.3047	10.6523	1.4260	12.3000
CJ-R	1208.9224	23.5233	11.7616	2.8049	18.0998
Ag	583.0418	3.2586	1.6293	0.6982	55.3006
S.S.	799.1995	80.4079	40.2039	1.0963	179.7909
AgN	632.3695	90.7076	45.3538	3.5727	11.6165
S.S./P	330.4929	18.6754	9.3377	1.9215	16.1659

LIST OF PUBLICATIONS

ORIGINAL PAPERS PUBLISHED IN PEER-REVIEWED INTERNATIONAL JOURNALS

No.	Journal/ISSN	Paper Title	Issue/Volume	Page No.
1	Peer-reviewed International Journal of Advance Engineering and Research Development (IJAERD) [ISSN(O): 2348-4470]	Analysis of Surface resistivity behaviour of Conductive Woven fabrics made from Pure Metal Wires & Cu Jari for ESD control	Vol. 03 Issue : 01 January 2016	1-5
2	Peer-reviewed International Research Journal of Engineering and Technology (IRJET) [ISSN(O): 2395-0056]	Analysis of Surface resistivity behaviour of Conductive Woven fabrics made from Copper Jari & S.S./Polyester yarns for ESD control	Vol. 02 Issue : 09 December 2015	1007 -1012