



Power Supply

Spec Sheet

IEC 950 Annex U: Abbreviated Test Results (AWG 28)

One Layer Polyimide-Teflon™ Tape: 5.7 KV

Ten Turn Coil at 3X Mandrel:

7 Days @ 232 degrees C - Average Breakdown 12.0 KV

7 Days @ 242 degrees C - Average Breakdown 10.8 KV

Electric Strength Test U.2.1

Twisted Pair	(Ambient)	19.0kv
Twisted Pair	(@250 degrees C)	14.6kv

Adherence Flexibility (U.2.2)

3X Mandrel After 15 minutes at 250 degrees C	12.4 KV
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Heat Shock (U.2.3)

3X Mandrel, 250 degrees C, 30 minutes, Shot Box	7.6 KV
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Retention of Electric Strength After Bending (U.2.4)

Twisted Pair	11.1KV
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Resistance To Abrasion (U.2.5)

Minimum Grams to Fail 592	Actual 700
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Polyimide Tape Insulated Solid Copper Wire For Power Supplies

AWG	Part Number	Construction	Nom OD (In)	Ft/Lb	Min Qty
12	12-SK255	55% LAP	0.0866	50	80
14	14-SK255	55% LAP	0.0705	74	80
15	15-SK255	55% LAP	0.0635	93	70
17	17-38B38S	55% LAP	0.0513	155	30
18	18-35B44S	55% LAP	0.0465	190	30
19	19-35B56S	55% LAP	0.0425	235	30
20	20-38B29S	55% LAP	0.0380	298	30
22	22-38B54S	55% LAP	0.0318	464	30
23	23-27B51S	55% LAP	0.0293	580	20
24	24-27B51S	55% LAP	0.0265	N/A	20
24	24-38B44S	66% LAP	0.0275	707	20
25	25-38B31S	55% LAP	0.0240	890	10
26	26-38B38S	55% LAP	0.0224	1100	10
26	26-38B28S	66% LAP	0.0250	1025	10
28	28-38B40S	55% LAP	0.0200	1710	10
30	30-61B28S	75% LAP	0.0217	1950	5