

- A - Highest electrical field; 20 to 30 kV per mm
- B - Delamination (main insulation). Electric field upto 10 kV/mm
- C - Delamination (tape layers)
- D - Treeing in layers
- E - Broken strands
- F - Slot discharges, semiconducting paint abrasion
- G - Voids

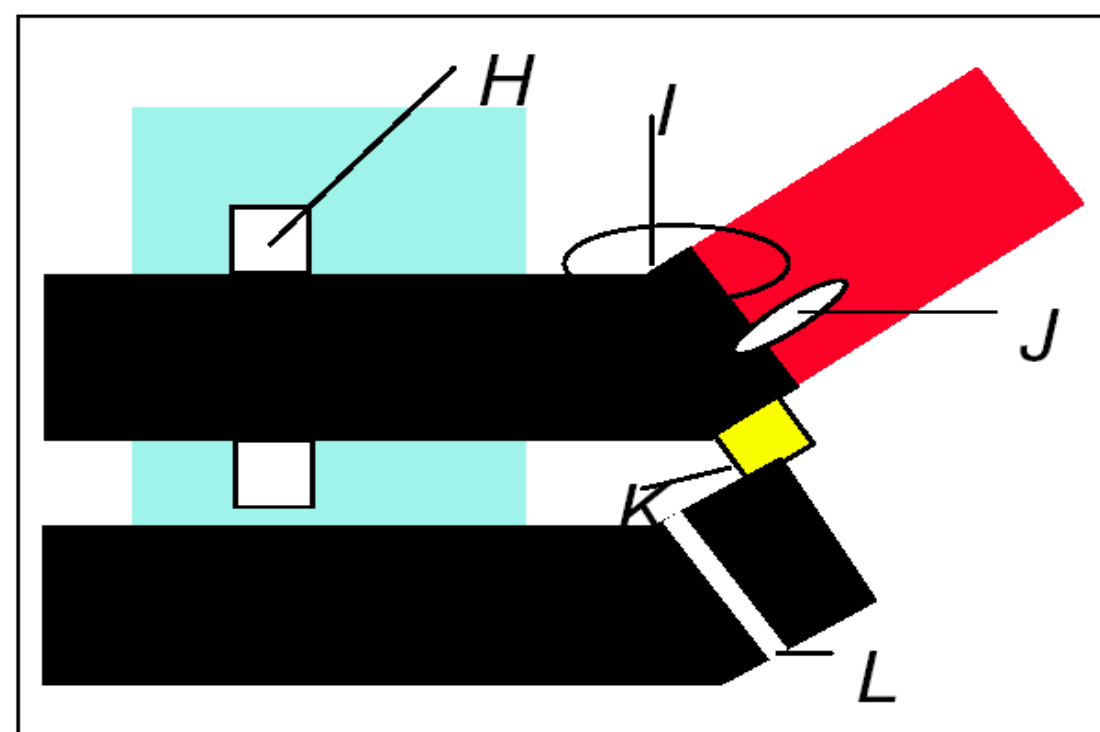
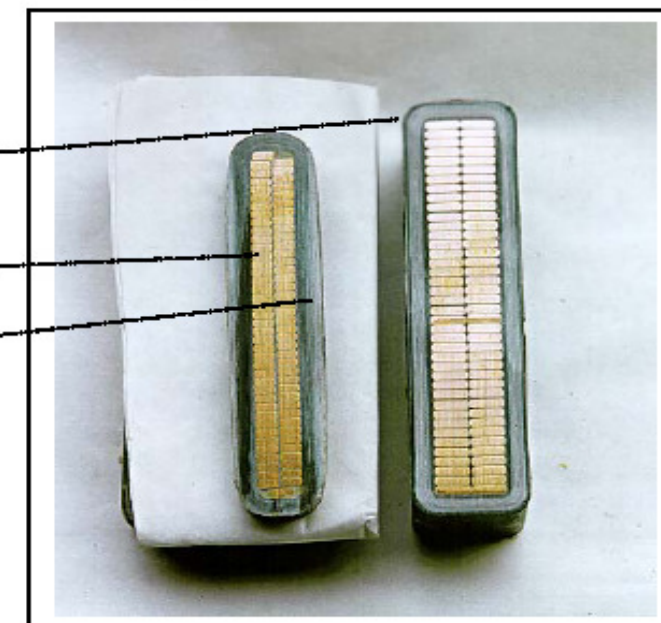
Slot iron

Semiconducting layer  
(corona protection paint  
or paper)

Conductors

Mica paper layers (main  
insulation)

Interturn insulation &/or  
internal corona  
protection



H - Discharges in Cooling Duct, mainly created by vibration & abrasion of corona protection layers

I - Delamination of insulation in Elbow, especially when manually manufactured

J - End winding discharge (contamination, etc.)

K - Insufficient spacing, tracking; especially between bars with big voltage difference, different phases

L - Connection area between slot corona protection & end winding corona protection