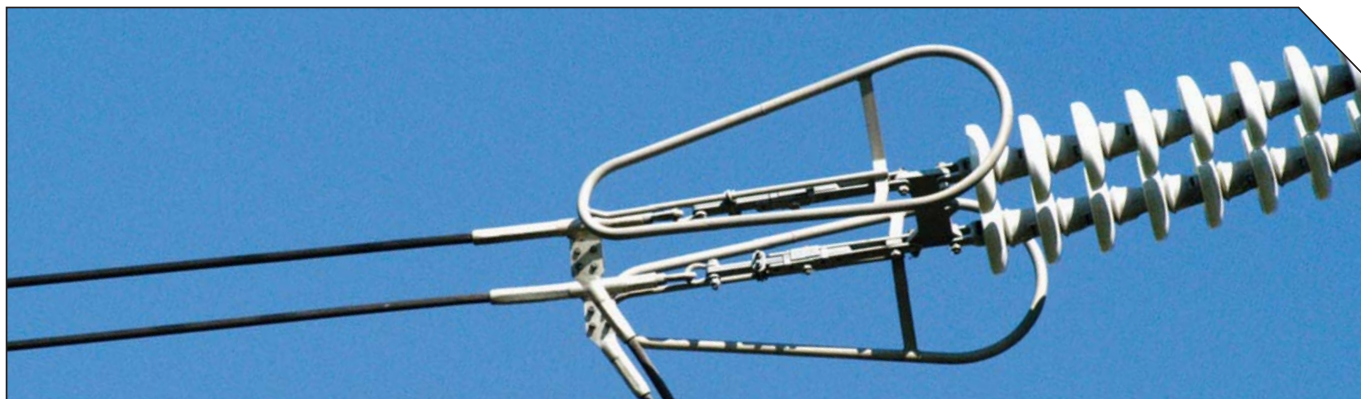


Grading Rings



General Recommendations



Corona forms when the voltage gradient at the surface of a conducting material exceeds a critical value and ionises the surrounding air. Corona becomes a great concern at extra high voltages where precautionary measures are necessary. Effects of corona include radio and television interference, voltage loss and audible noise on the line. PLP manufactures a wide range of grading rings to suit EHV transmission lines for both suspension and tension configurations. Typical designs are shown below for demonstration of PLP's ability to manufacture to customer requirements. Please contact PLP for further information and design suited to your string configuration.

Grading Ring Tension



GRT

Part Number	Description
GRT-330-1	330kV Grading Ring
GRT-500-2	500kV Grading Ring

Grading Ring Suspension



GRS

Part Number	Description
GRS-330-1	330kV Suspension Grading Ring
GRS-500-2	500kV Suspension Grading Ring