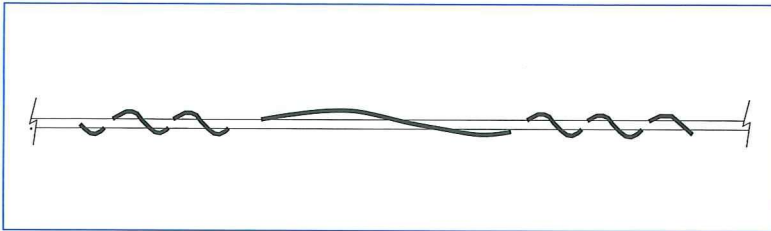


GALLOPING CONTROL

PREFORMED™ Air Flow Spoiler



Application

The PREFORMED™ Air Flow Spoiler (AFS) is designed to counteract full span galloping which is a damaging wind and ice related phenomenon. Galloping is a low frequency, high amplitude motion which can occur on the conductors and earthwires on overhead Electrical Power Transmission and Distribution Lines, other aerial cables and mast stays, causing mechanical damage. Fittings and support structures can also be damaged. Transmission and distribution lines can experience outages.

The PREFORMED™ Air Flow Spoiler maintains aerodynamic stability by continually changing the profile of the conductor or cable to the wind and preventing a constant longitudinal section of ice building up.

The PREFORMED™ Air Flow Spoiler has proven effective in the field; significantly reducing galloping, abrasion and fatigue and is recommended for use as follows:-

- On single conductors and cables $\leq 25\text{m}$ in diameter.
- On span length $\leq 250\text{m}$.
- At voltage levels $\leq 150\text{kV}$.

Application instructions are available on request.

Construction

Two factory formed helical gripping sections secure the 'spoiling section' on the conductor or cable. The PREFORMED™ Air Flow Spoiler is manufactured from rigid, solid, high impact polyvinyl chloride, possessing excellent chemical and strength properties and which will retain good physical characteristics within a range of extreme temperatures. Outdoor ageing tests indicate that the material does not deteriorate in function or appearance due to the effects of severe weather conditions. Industrial pollution and salt water cannot seriously degrade the properties of the rigid PVC.

Product Referencing and Ordering

Contact PLP (GB) Ltd for the correct product reference stating:-

- Conductor or Cable Diameter.
- Conductor or Cable Material, Construction and Mass per Unit Length.
- Conductor or Cable Everyday Tension.
- Conductor or Cable Rated Breaking Strength.
- Span Length.
- System Voltage Level (if applicable).

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