

## Bird Flapper Live Line

### General Recommendations

The Bird Flapper is designed to make overhead lines visible to birds and provides a cost beneficial means of reducing the hazard to both lines and birds. For low and medium voltage construction (up to 40 kV) it is applied to the phase conductors (bare or jacketed). For high voltages it is used on the earth wire. The Flapper Disc is made of Polycarbonate UV stabilized engineering plastic, while the attachment clamp is 40% GR Nylon UV stabilized material. The connecting rings are stainless steel grade 316. The fitting is light in weight, offers little wind resistance and is easily and quickly applied by hand or by hot sticks. The positive grip of the fitting on the conductor ensures that it remains in the applied position and cannot move along the span under vibration or wind action.

**Visibility:** The diverter section increases the visibility profile of the cable or conductor to a degree necessary to ensure safety, but avoids an undesirably bulky outline.

**Helical Suspender:** Is also available instead of the plastic type clamp. Details on application.

**Colours:** Black or white or red. It is also available with a luminescent coating that makes it visible at night.

### Application:

**Live-Line:** The Flapper is placed onto the link-stick using the applicator tool. The link-stick is raised up to the conductor, locating the conductor into the jaw of the Flapper clip. Apply a upward force to the link-stick until the jaws snap shut.

**Spacing:** Spacing distances are not critical and will depend upon local conditions. Since wind resistance is very limited, sufficient fittings can be used to ensure adequate visibility without creating stresses on the line. When marking adjacent spans, overall visibility is improved by staggering the application. The general rule is to first apply Flappers at 10 m intervals.

