



## BIRD-FLIGHT™ DIVERTER

The **BIRD-FLIGHT Diverter (BFD)** is designed to make overhead lines and guyed structures visible to birds and provides an economical means of reducing the hazard to both lines and birds. For low- and medium-voltage construction, the BFD is applied to the phase conductors (bare or jacketed). For high voltages, it is typically used on the shield wire and/or OPGW cable.

The **Plastic BFD** is manufactured from rigid, high-impact PVC possessing excellent chemical resistance and tensile strength properties. The BFD will retain good physical characteristics over a range of temperatures.

The **Aluminum BFD** is manufactured from a high strength, corrosion-resistant aluminum alloy material. It is designed for use on conductors operated at elevated temperatures (up to 250°C).

### FEATURES AND BENEFITS

- Lightweight, economical, and easily applied by hand or hot stick
- Positive grip prevents product from moving along the span
- Long service life without deterioration of material properties
- Minimal wind resistance
- Manufactured from gray or yellow high-impact PVC with UV protection or aluminum alloy for high temperature requirements (contact PLP for other color/voltage options)
- For voltages up to 230 kV. Contact PLP for 345 kV applications.
- Meets **UL 94 V-0** flammability requirements

## SPACING

### Horizontal Line Layout



For optimal results, spacing distances are generally recommended at 15-foot intervals, depending upon local conditions. Since wind resistance is very limited, a sufficient number of BIRD-FLIGHT Diverter coils can be used to ensure adequate visibility without creating stresses on the line. When marking adjacent spans, overall visibility is improved by staggering the placement between spans.

## ORDERING INFORMATION

Select the appropriate BIRD-FLIGHT Diverter size.

- For use on bare and jacketed conductors, strand, and fiber optic cables
- Contact a PLP representative for more information regarding which product to select for a specific application.

### BIRD-FLIGHT Diverter

Catalog Number		Conductor Diameter Range		Overall Length	Diverter Coil Outer Diameter	Color Code
YELLOW	GRAY	Minimum	Maximum			
		in (mm)	in (mm)	in (mm)	in (mm)	
BFD-MS-3331	BFD-MS-3346	.175 (4.4)	.249 (6.3)	8.00 (203)	2.25 (57)	Black
BFD-MS-3155	BFD-MS-2921	.250 (6.4)	.349 (8.9)	8.50 (216)	2.50 (64)	Blue
BFD-MS-3164	BFD-MS-3355	.350 (8.9)	.449 (11.4)	9.50 (241)	2.75 (70)	Brown
BFD-MS-11135	BFD-MS-11060			12.37 (314)	4.25 (108)	Brown
BFD-MS-3341	BFD-MS-3366	.450 (11.4)	.599 (15.2)	14.50 (368)	4.25 (108)	Green
BFD-MS-3344	BFD-MS-3371	.600 (15.2)	.770 (19.6)	17.00 (432)	4.25 (108)	Purple
BFD-MS-3345	BFD-MS-3376	.771 (19.6)	.858 (21.8)	15.00 (381)	4.25 (108)	Red
BFD-MS-3405	BFD-MS-11699	.859 (21.8)	.970 (24.6)	16.50 (419)	4.50 (114)	Orange
BFD-MS-11111	BFD-MS-12290	.971 (24.7)	1.121 (28.5)	15.50 (394)	4.25 (108)	Pink
High-Temperature BIRD-FLIGHT Diverter						
Catalog Number	Material	in (mm)				Color Code
BFD-MS-11543	Aluminum	0.800 (20.3)	0.850 (21.6)	26.00 (660)	4.00 (101)	Pink
BFD-MS-12679		1.100 (28.0)	1.150 (29.2)	37.00 (939)	4.00 (101)	Purple
BFD-MS-12645		1.300 (33.0)	1.350 (34.3)	43.00 (1092)	4.00 (101)	Red
BFD-MS-12687		1.565 (39.8)	1.635 (41.5)	54.00 (1371)	4.00 (101)	Black