

## FlyBye Polyethylene Bird Netting

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CSI Division: 10290/10296  
FlyBye Bird Netting

### Manufacturer

FlyBye Bird Control Products manufactures FlyBye Polyethylene Bird Net from quality polyethylene twine that is twisted and knotted for strength. FlyBye Net is treated with stabilizers for ultraviolet and fire treatment that both stiffen and enhance chemical resistance.

### Presentation

#### Complete Bird Exclusion

FlyBye Polyethylene Bird Net offers high technology bird exclusion for pigeons, starlings, crows, gulls and other pest birds.

### Versatility

FlyBye Net is made from polyethylene twine that has been fire treated and treated to prevent ultraviolet collapse.

### Strength

Twisted knotted polyethylene twine provides great strength.

### Multiple Mesh Sizes

FlyBye Polyethylene Bird Net is available in 2 sizes; 3/4" and 2" squared mesh for use with different sized birds.

3/4" is typically used for woodpeckers, swallows, starlings and sparrows.

2" mesh is used for crows, pigeons and similar sized birds.

### Color Availability

FlyBye Polyethylene Bird Net is available in black. Special colors are available upon request from the factory dependant on volume and time restrictions.

### Size Availability

FlyBye Polyethylene Bird Net is available in the following stock sizes.

25'x25' 25'x50' 25'x75' 50'x50' 50'x75' 50'x100'  
Custom orders of mesh or twine sizes can be made to specifications dependant on volume and time restrictions.

Although large custom nets can be ordered, weight becomes a concern both in shipping and installation. Example: 3/4" netting weighs approximately .015 pounds per square foot. A 50' x 100', 3/4" mesh net (5,000 square feet) weighs 75 pounds.

### Visibility

FlyBye Polyethylene Net is manufactured using 380d/9 ply In a correct installation the small diameter of Polyethylene Net will blend into almost any background.



### Accessibility Behind Netting

Zipper or Net clips can be installed in applications requiring access to any area needing maintenance such as lighting fixtures, valves, etc.



### Installation Hardware

FlyBye Bird Control offers hardware available to complete a professional net installation into almost any material (stone, concrete, wood or steel). A cable system must be securely anchored to the structure. It provides a solid foundation for net attachment. If correctly installed, cable and net will remain functionally secure for an extended period of time. FlyBye offers specialty tools that will make a professional net installation job easier and more efficient.

## FlyBye Netting

Material: Ultraviolet and fire treated polyethylene twine

Construction: Twisted knotted twine mesh

Mesh size availability 3/4" & 2"

Stock sizes: 25'x25' 25'x50' 25'x75' 50'x50' 50'x75' 50'x100'

Custom sizes available on request and are subject to factory order.

Color available: Black

Custom colors available on request and are subject to factory order.

### Hardware, Installation

Mounting Brackets: For block, brick, stone, concrete, wood or steel

Cable: 1/16" diameter

Turnbuckles: 2 sizes available (small, medium)

Miscellaneous fasteners: brackets, clips and screws

All hardware available in stainless steel (recommended) or galvanized

### Assembly, Installation

FlyBye Polyethylene Bird Netting is available off the shelf in many sizes and mesh configurations. A comprehensive hardware system is available to meet the requirements of the specific installation.

### Material, Finishes

FlyBye Polyethylene Bird Netting is made of an ultraviolet stabilized, fire treated polyethylene twine.

Hardware is of either stainless steel or galvanized material.

### Technical Support

FlyBye's knowledgeable representatives are available to assist you in all aspects of evaluation and product recommendations. We can also assist you in finding a local qualified installer. Call 800-820-1980, or fax drawings, sketches and other pertinent information to 425-823-8170. Send pictures to nobirds@flybye.com. Due to complexities of many net installations we recommend contacting the manufacturer directly. Certified installers should be used to ensure quality long life results.

### FlyBye Netting Chemical Properties

Manufactured from Polyethylene Fiber that is chemically stable. No unusual handling precautions required.

### FlyBye Netting Electrical Properties

Polyethylene twine is an excellent insulator of electrical currents. Additional bonding enhances insulating characteristic.

### Resistance to Insects And

#### Micro-Organisms

Polyethylene fibers are non-organic and are not digested by insects. Polyethylene is also resistant to mildew, bacteria and similar organisms. Additional bonding enhances these characteristics

## Specification Guidelines

### General

#### 1.1 Description

1.1.1 Install FlyBye Polyethylene Bird Netting to prevent bird access to any areas where birds roost, nest or land and to prevent damage caused by droppings or nesting material.

#### 1.2 Quality Assurance

1.2.1 Obtain technical literature, brochures, or installation advice from manufacturer or distributor. Drawings, sketches, and pictures may be needed to provide proper evaluation

1.2.2 Utilization of FlyBye Certified Labor is recommended for technically difficult situations.

1.2.3 FlyBye always recommends using certified installation companies in your area that carry proper insurance and licenses.

#### 1.3 Submittals

1.3.1 Submit manufacturer's catalog, samples, brochures, fliers or shop sketches as required to provide adequate description.

#### 1.4 Product Handling

1.4.1 Protect FlyBye Netting and hardware and other mounting parts from damage before, during and after installation.

1.4.2 If damage occurs to any portion replacement or repair should be made immediately.

## Products

### 2.1 Acceptable Manufacturer

2.1.1 D&S Specialty Products Inc.,  
13609 NE 126th PL #150,  
Kirkland, WA 98043  
. Phone 800-820-1980, 425-820-8496  
Fax 425-823-8170, Web : www.flybye.com

### 2.2 Model Designation

2.2.1 FlyBye Netting 3/4" mesh is made from 380d/9 ply polyethylene  
2.2.2 FlyBye Netting 2" mesh is made from 380d/9 ply polyethylene  
Color: Black  
Custom colors are available subject to factory order.  
Material: Ultraviolet stabilized fire treated polyethylene twine  
Construction: Twisted polyethylene twine, knotted mesh design.  
Size: Mesh availability is 3/4", 2"  
Stock widths: 3/4" and 2" mesh are 25' & 50' width.  
Stock Lengths: 25', 50' 75' & 100'  
Custom sizes are available upon request subject to factory order.

### 2.3 Mounting Systems

#### Disclaimer:

**Before proceeding, FlyBye strongly recommends investigating warranty liability before making penetration to any structure or surface.**

2.3.1 Steel I-beams: Use FlyBye beam clips, FlyBye J-brackets with powder actuated pin or FlyBye J-bracket with screw or other mechanical method of attachment. For safety reasons, powder actuated pins require the use of Hilti<sup>®</sup> brand tools.

2.3.2 Solid steel: Use FlyBye J-brackets with powder actuated pin or FlyBye J-bracket with screw or other mechanical method of attachment. For safety reasons, powder actuated pins require the use of Hilti<sup>®</sup> brand tools.

2.3.3 Sheet metal: Use FlyBye J-brackets with the appropriate screw or similar mechanical fastener.

2.3.4 Stucco: Corner and middle anchorage points should be made with a toggle type anchor to ensure proper load distribution. Median attachments should be securely anchored to provide adequate support. J-brackets or S-hooks with epoxy may be one method used. **See Disclaimer on structural penetration.**

2.3.5 Brick, Stone or Concrete: Corners should use an expansion type anchor that has a loop. Expansion type anchors with a loop or net spikes should be used for intermediate points. If the substrate permits, an S-hook or J-bracket can be used with a powder actuated pin.

2.3.6 Wood: Corner attachments should have an eye loop securely screwed into the wood. Median anchors can be eye screws, S-hooks, or J-brackets. Be sure to use proper wood screws that are of adequate depth.

2.3.7 Median attachment anchors should be placed every 12" for 3/4" mesh net, and 16" for 2" mesh net. This ensures one anchor failing does not provide an access point for birds.

2.3.8 After installing corner anchor and median anchors attach cable to a corner anchor with a cable crimper and ferrules. Run cable the length of one side through median anchor points. Cable runs should be in a straight line only and not exceed 100'. **Adequate cable tension must be maintained.** On the opposite corner, place a turnbuckle (fully extended), hook side on the attachment anchor. With cable pulled hand taught, attach cable to the eye side of the turnbuckle, using a crimping tool and ferrule. Using the turnbuckle, apply tension to the cable.

2.3.9 Cross cables should be run at approximately 10' intervals across the field. They provide adequate support and give the installed net a smooth taught appearance.

2.3.10 FlyBye netting should be attached to the cable system at each square along the perimeter, and at all cross support cables.

2.3.11 FlyBye strongly encourages the use of specialized tools for cable crimping and installing Hog Rings

## Execution

### 3.1 Inspection

3.1.1 Inspect installation area. Notify architect or owner of detrimental work conditions.

3.1.2 Proceed with work only after repairs have been made.

### 3.2 Surface Preparation

3.2.1 Bird droppings should be cleaned, removed and disposed of in a safe manner in accordance with local regulations. Areas scheduled for net exclusion must have repair work completed and properly cleaned before installation begins.

3.2.2 Repair or remove items that may damage the net after installation is completed. These include, but are not limited to, tree branches and loose items on the structure.

### 3.3 Installation

3.3.1 FlyBye Netting must be installed per manufacturers specifications. Net installation must follow the contour of the area excluded so that birds cannot enter the protected area. This provides a neat, professional appearance.

3.3.2 FlyBye Netting must be stretched “guitar string” tight to provide a straight line installation. A tight net will be nearly invisible depending on background.

Loose installations will not endure over time, will give an unsightly appearance, and may entangle birds.

3.3.3 By using the correct net mesh size, targeted birds will be excluded while providing an economical installation.

3.3.4 Improper installation or failure to follow good workmanship guidelines voids all warranties; both in material and labor.

### 3.4 Inspection

3.4.1 Visually inspect that all attachment points are firmly anchored to substrate material and that net is firmly attached to cable system.

3.4.2 Visually inspect all subcomponents of net system for failures (zippers, net clips, turnbuckles, cable and crimps) for damage or problems related to poor installation.

3.4.3 Repair defects immediately or failure of the system may occur.

## OM-Operational Maintenance

If FlyBye Netting is installed per manufacturers’ specifications, the net system should be nearly maintenance free. Elements of the weather will not damage the net as long as it is mounted and secured according to manufacturers’ specifications. FlyBye Netting has a five year warranty against ultraviolet breakdown and defects in manufacturing workmanship.

