Nixalite® Bird Netting

Nixalite offers complete bird netting systems to keep birds away from all types of objects, openings and structures. With architectural, agricultural

and aquaculture applications, bird netting is versatile, efficient and effective. If installed properly birds can't get past the netting barrier.

To provide a solid foundation, Nixalite offers all of the hardware and accessories needed to complete an effective bird netting installation.

Case History: K-Net™ For Miami Intermodal

Project: Miami Intermodal Facility, Miami, FL

Architect: Sequiera & Gavarrete, Coral Gables, FL

Installer: Holmes Builders, Miami, FL

Problem: To deter literally thousands of pest birds from roosting and nesting on the open steel trusses, beams and gaps created by the roof deck design.

K-Net HT

The netting and hardware is discreet even viewed up close

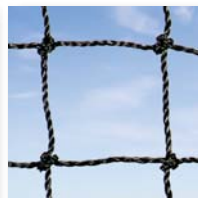The black K-Net blends in with the gray roof decking behind

Solution: To eliminate the bird problem by installing K-Net HT Bird Netting and tensioned perimeter and support cables.

Result: When completed, the project required 100,000+ square feet of K-Net, miles of net cable and thousands of net hardware items. All installed with patience and skill by Holmes Builders of Miami, FL.
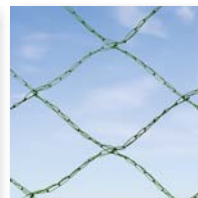
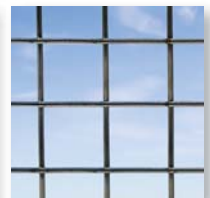## Bird Netting Comparison

	K-Net™ HT Bird Netting	Bird-Net™ Netting	PollyNet™ Bird Netting	Bare Hand™ Vineyard Net	Welded Wire Barriers
WORKS FOR	*All Birds*	All Birds	All Birds	All Birds	Birds & Animals
Made of	*Polyethylene*	Polyethylene	Polypropylene	Polyethylene	Stainless & Galv.
Mesh size	*3/4" Square*	Multiple sizes	Multiple sizes	3/4" Sq. & Flex	Multiple sizes
Durability	*Longest lasting*	Long lasting	Long lasting	Up to 6 seasons	Lasts a lifetime
Key Details	*Strongest multi-strand bird net*	Strong, durable, discreet	Economical, tough, versatile	Protects all types of row crops	Strong, durable, looks great
Equivalent	*None*	Numerous	Numerous	None	Numerous
Warranty	*10 Year*	5 year	Limited	Limited	Limited

Go to www.nixalite.com/NetandMeshComparisonTable.aspx

Basic Estimating for Bird Netting

Each application may be different and require alternate or additional steps. If you have any questions regarding a bird netting installation call or email Nixalite.

Observation
Identify the pest bird and all the places birds land, roost and nest. Identify the routes birds use to get to the area.

Where to Install the Net?
The best location for bird netting is one that either encloses the problem area or blocks off the routes that birds use to gain access.

Which Netting?
Choose the Nixalite bird netting that best suits your application. Use the net size or combination of sizes that provide the required coverage.

Measurements
Accurately measure all the areas where the bird netting will be installed. Record the location of any beams, trusses, pipes, etc that could help support the bird netting.

How Much Netting?
When estimating for bird netting DO NOT rely on square foot dimensions. They do not account for vertical, angled or curved elements of an installation.
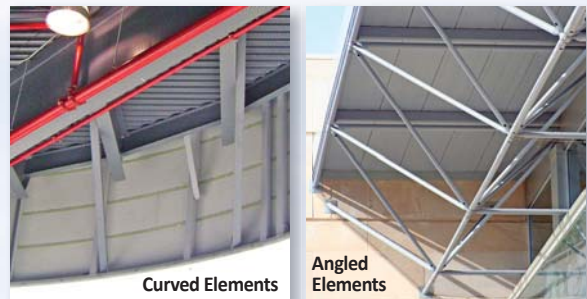
Allow extra netting for edge fastening, seams, waste cuts, etc. When figuring coverage, subtract at least 1 foot from the length and width of each netting piece. *Example:* A 14'x50' covers an area 13'x49'.

Netting Hardware
Choose the netting hardware that best suits your application. From simple Poly Hardware to complete tensioned cable systems, Nixalite has what you need to fasten the bird netting to all types of surfaces. For more information, see pages 6 - 8.

Schwiebert Park Pavilion, Rock Island, IL

This pavilion's open steel framing offered birds safe harbor. After careful observation and measurement, K-Net was installed with a cable system to keep birds out and surfaces clean.

Curved Elements

Angled Elements

When estimating for bird netting **DO NOT** rely on square foot dimensions. They do not account for vertical, angled or curved elements of an installation.
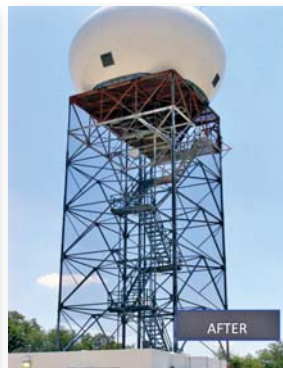
Nixalite offers FREE bird net planning, estimating and installation guides both online and directly from Nixalite.

Case History: Bird Netting for Radar

Project: Radar Tower Facility

Installer: WPCS International Inc. Sarasota Operations, Florida

Problem: FAA solicitation to resolve a bird roosting problem on a radar tower facility. Large birds were roosting on the tower framework. Their droppings were creating unhealthy conditions for people that had to work on or under the tower framework.

BEFORE

AFTER

Proposal: Sanitize all surfaces to neutralize and safely remove bird waste. Install a K-Net Bird Netting enclosure to prevent a reoccurrence of the problem.

Result: WPCS sanitized and pressure washed all surfaces and installed the K-Net HT bird netting around the tower framework. The bird netting enclosure has effectively ended the problem.

Contact Nixalite for the complete WPCS International Inc Case History

Strength, Quality, Value
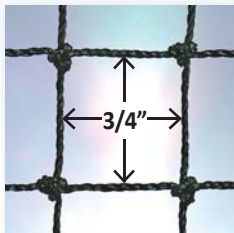## Unbeatable Bird Netting from Nixalite

The perfect choice for bird exclusion is K-Net HT Bird Netting. It features high strength, seamless construction and unbeatable prices. Made from 12-ply black polyethylene, K-Net HT is extremely durable, making it ideal for long term use in harsh environments, indoors and outdoors, for all types of birds.

- Made from high density poly-ethylene strands (HDPE)
- Each 12 ply strand has a 75 lb knotted breaking strength
- K-Net HT is UV, flame, abrasion and rot resistant

- Seamless, 3/4" square mesh is uniform in appearance
- K-Net HT is available in Black or Stone (tan) colors
- Installs with all types of netting hardware

- Has 10 year limited warranty on black net, 3 year on stone net
- K-Net HT is manufactured and tested in compliance with ISO 9001-2000 Quality Management Standards

K-Net HT™ Netting Sizes

To order, use the Item #'s and descriptions below. Combine different sizes to get the desired netting coverage. Remember to allow extra netting for perimeter fastening and overlapping seams. **Available in Black or Stone (tan) colors.**

3/4"

Shown actual size

Item #	Description	Sq. Ft. (sq.m.)
K-Net 25x25	25' x 25' K-Net HT	625 (58)
K-Net 25x50	25' x 50' K-Net HT	1,250 (116)
K-Net 25x100	25' x 100' K-Net HT	2,500 (232)
K-Net 50x50	50' x 50' K-Net HT	2,500 (232)
K-Net 50x100	50' x 100' K-Net HT	5,000 (464)

Custom sizes available, call for details

Easier to Work With, Goes Up Faster!

Some bird netting is packaged in a 'rope' or collapsed mesh form. This may save space but it takes valuable time and effort to stretch this 'rope' net out to its advertised size.

K-Net HT is a square mesh net that is packaged in a 'square' folded bundle. K-Net is easy, just unfold and unroll and you're ready to go. No stretching is required to get the advertised size.

Other nets come in a collapsed mesh or 'rope' form. This takes time & effort to stretch out to size.

K-Net netting is a true square mesh net. It is shipped in a folded bundle that you unfold to width and length.

For bird netting hardware, tools and accessories, see pages 6 - 8
For more information go to www.nixalite.com/k-netbirdnetting.aspx

Economy, Value, Versatility

Seamless construction, durability and economy make Bird-Net Bird Netting a good choice for all types of bird exclusion jobs. Made from multi-strand polyethylene, available in both black and stone colors. Available in two mesh sizes. Custom netting sizes available.
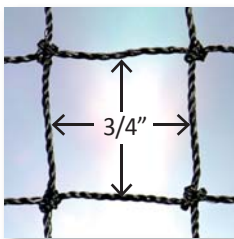
- Economical knotted netting with quality features
- Made from high density polyethylene (HDPE)
- Each 6 ply strand has a 52 lb breaking strength

- Bird-Net is UV, flame, abrasion and rot resistant
- Seamless square mesh is uniform in appearance
- 3/4" and 2" mesh available in black or stone (tan) color

- Installs with all types of netting hardware
- Special HALS UV protection on all Bird-Net sizes and colors
- 3/4" mesh works for all birds, 2" mesh is for large birds only

Bird-Net™ Sizes

To order, use the Item #'s and descriptions below. Combine different sizes to get the desired coverage. Allow extra netting for perimeter fastening and overlapping seams. **Available in Black or Stone (tan) colors**.
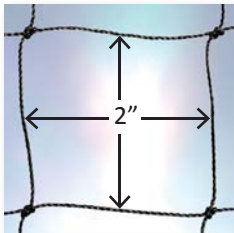
3/4" Square Mesh in Black or Stone (tan). For birds of all sizes.

Shown actual size

Item #	Description	Sq. Ft. (sq.m.)
BNET 3/4 25x25	25' x 25' Bird-Net	625 (58)
BNET 3/4 25x50	25' x 50' Bird-Net	1,250 (116)
BNET 3/4 25x100	25' x 100' Bird-Net	2,500 (232)
BNET 3/4 50x50	50' x 50' Bird-Net	2,500 (232)
BNET 3/4 50x100	50' x 100' Bird-Net	5,000 (464)

2" Square Mesh in Black or Stone (tan). Pigeons and larger birds only.

Shown half scale

Item #	Description	Sq. Ft. (sq.m.)
BNET 2 25x25	25' x 25' Bird-Net	625 (58)
BNET 2 25x50	25' x 50' Bird-Net	1,250 (116)
BNET 2 25x100	25' x 100' Bird-Net	2,500 (232)
BNET 2 50x50	50' x 50' Bird-Net	2,500 (232)
BNET 2 50x100	50' x 100' Bird-Net	5,000 (464)

For bird netting hardware, tools and accessories, see pages 6 - 8
For more information go to www.nixalite.com/birdnetbirdnetting.aspx

PollyNet™ BIRD NETTING

PollyNet is a seamless, knotless and UV resistant polypropylene bird netting that is installed on, over or around an endless list of objects, openings and structures. Effective, strong, easy to install and very economical - what more can you ask from bird netting?

PollyNet™ Premium

Tough, resilient netting made to withstand exterior structural, agricultural and aquaculture applications. 1/2" sq. mesh keeps out all birds. 5 year UV warranty.

PollyNet™ Lightweight

Thin strands with 3/4"x 5/8" mesh make Lightweight inconspicuous. Use when low visibility and economy are more important than durability and longevity.

PollyNet™ Premium Applications

- Windows
- Bell towers
- I-Beams
- Canopies
- Roof eaves
- Dormers
- Louvers
- Columns
- Docks
- Bridges
- Garages
- Boat docks
- Fish ponds
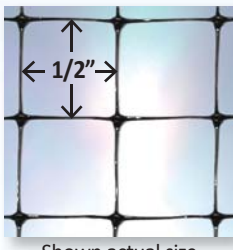- Gardens
- Signs

PollyNet™ Lightweight Applications

- Gardens
- Greenhouses
- Orchards
- Berry crops
- Statues
- Hatcheries
- Food courts
- Pipes/ducts
- Balconies
- Latticework
- Vineyards
- Nurseries
- Water tanks
- Landscaping
- Auditoriums

PollyNet™ Premium

Tough seamless netting with 1/2" square mesh to keep out birds of all sizes including sparrows, mud swallows, etc.
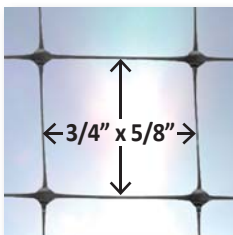
Item #	Description	Sq. Ft. (sq.m.)
Netting 50	14' x 50' Premium PollyNet	700 (65)
Netting 100	14' x 100' Premium PollyNet	1,400 (130)
Netting 250	14' x 250' Premium PollyNet	3,500 (325)
Netting 3000	14' x 3,000' Premium PollyNet	42,000 (3,901)
	Custom cuts available, call for details	

← 1/2" →

Shown actual size

PollyNet™ Lightweight

Ultralight construction. Use when visibility and economy are more important than durability and longevity.

Item #	Description	Sq. Ft. (sq.m.)
LNetting 50	17' x 50' Lightweight PollyNet	850 (79)
LNetting 100	17' x 100' Lightweight PollyNet	1,700 (158)
LNetting 250	17' x 250' Lightweight PollyNet	4,250 (395)
Lnetting Roll	17' x 5,000' Lightweight PollyNet	85,000 (7,897)
	Custom cuts available, call for details	

← 3/4" x 5/8" →

Shown actual size

For bird netting hardware, tools and accessories, see pages 6 - 8

For more information go to www.nixalite.com/pollynetbirdnetting.aspx

Website www.nixalite.com   Email birdcontrol@nixalite.com

Poly Hardware

An economical and durable line of netting hardware used for all types of bird netting.

Item# Poly Clips
Perimeter fastening hardware

A black, UV stabilized polypropylene clip installed around the outside edges of a netting installation. Snaps shut over rolled edges of netting.

open

closed

Install every 12" for straight runs and every 6" for curved or irregular shapes

Item# Twist Loks
Seam fastening hardware

A black, UV stabilized spring clip that holds bird netting together at seams, cuts and patches. Push through over-lapped netting and twist to close.

open   closed

Install every 6" for seams, every 3" for cuts and patches

Item# Poly Cord
Multi-Purpose hardware

A black, UV stabilized cord used to sew up seams, make repairs and to attach netting to a variety of objects. **Not used for perimeter support.**
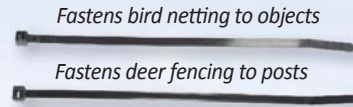
Sold by the foot or in 1,000 foot spools

Item# Net Tie
Multi-Purpose hardware

Black, MIL SPEC cable ties used to fasten net. Available in standard 7.5", 11.5" and 14.5" lengths. Custom lengths are available.

Fastens bird netting to objects
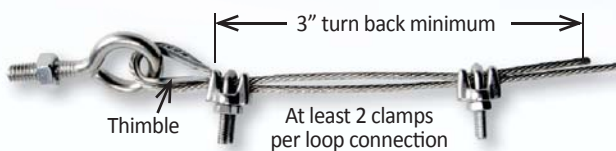
Fastens deer fencing to posts

For more information go to www.nixalite.com/nettinghardware.aspx

Tensioned Cable Hardware

Net Cable & Connection Hardware

EXAMPLE: Loop connection with rope clamps

3" turn back minimum

Thimble   At least 2 clamps per loop connection

EXAMPLE: Loop connection with ferrules

3" turn back minimum

At least 2 ferrules per loop connection   Thimble

Net Cable
Item #: Net Cable 250
Item #: Net Cable 500

Perimeter & Support
Stainless steel 7x7, 49 strand 3/32" diameter cable w/ 920 lb tensile.

Thimbles
Item #: Thimbles

Cable Protection
HD Stainless steel thimbles protect cables from fraying and eventually breaking. Use at all loop connections.

Rope Clamps
Item #: Rope Clamp S
Item #: Rope Clamp G

stainless   galvanized

Loop Connections
Required for cable runs of 25 ft or more. Recommended clamping method.

Ferrules
Item #: Ferrules

Loop Connections
For cable runs less than 25 feet long. Zinc plated copper ferrules for 3/32" Net Cable. Requires crimper #FBHSC350.

For more information go to www.nixalite.com/nettinghardware.aspx

Corner Hardware & Turnbuckles

Large Eyebolt
Item #: Eyebolt/Nut

Corner Hardware

Stainless steel 9/16" ID with 1/4-20 threaded 1" long stem and stainless steel nut. For steel and masonry surfaces.

Masonry Anchor
Item #: MS Anchor L

Anchors for Eyebolts

Machine screw anchors for Large Eyebolts. 1/4-20 thread, 100 ct. box, setting tool included.

Large Screw Eye
Item #: Screw Eye L

Corner Hardware

Stainless steel 17/32" ID with 1" long lag threaded stem. For wood and composite surfaces.
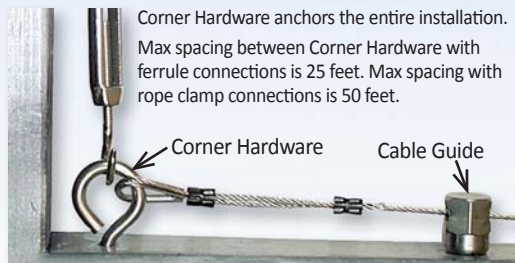
HD Turnbuckles
Item #: Tbuckle Small
Item #: Tbuckle Medium
Item #: Tbuckle Large
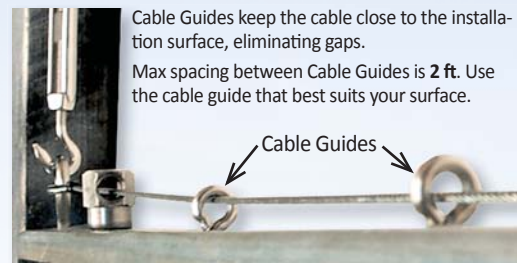
Cable Tensioning

All stainless steel turnbuckles. Three sizes, hook and eye.

EXAMPLE: Corner Hardware

Corner Hardware anchors the entire installation.

Max spacing between Corner Hardware with ferrule connections is 25 feet. Max spacing with rope clamp connections is 50 feet.

Corner Hardware   Cable Guide

EXAMPLE: Cable Guide

Cable Guides keep the cable close to the installation surface, eliminating gaps.

Max spacing between Cable Guides is **2 ft**. Use the cable guide that best suits your surface.

Cable Guides

Cable Guide Hardware

Small Eyebolt
Item #: Eyebolt SM/Nut

Eyebolt Guide

Stainless steel 9/32" ID with 10-24 threaded stem and stainless steel nut. For steel and masonry surfaces.

Masonry Anchor
Item #: MS Anchor S

Anchors for Eyebolts

Machine screw anchors for Small Eyebolts. 10-24 thread, 100 ct. box, setting tool included.

Small Screw Eye
Item #: Screw Eye S

Screw Eye Guide

Stainless steel 7/32" ID with 3/4" long lag threaded stem. For wood and composite surfaces.

EZ-Clip™
Item #: EZ-Clip

EZ-Clip Guides

All stainless steel form for all surfaces. Use appropriate fastener (not supplied) to hold cable to surface.

Sidewinders
Item #: SWT-1.5
Item #: SWD-1.5

For Steel

Self drill and tap cable guides SWD-1.5 for steel up to 1/4" SWT-1.5 for steel up to 1/2"

Sidewinders
Item #: SWC-2.0

For Masonry

HD self threading cable guide for masonry. Requires 1/4" diameter by 2" deep pre-drilled hole.

Drive Socket
Item #: Sammy Socket

For Sidewinders

Red anodized aluminum socket that seats all Sidewinder cable guides without over tightening.

Flange Clips
Item #: Flangeclip 1/8
Item #: Flangeclip 5/16
Item #: Flangeclip 9/16

Hammer-On Guides

Cable guide for steel flanges. Use on I-beams, C-channel and angle iron and more.

For more information go to www.nixalite.com/nettinghardware.aspx

Net Rings and Ring Tools

Use net rings to attach bird netting to perimeter and support cables, install net zippers, join overlapped seams and make repairs in existing installations. Not recommended for use with PollyNet bird netting or single ply, extruded netting.

Net Rings & Ring Tool
Item #: Net Rings
Item #: Ring Tool

D-Rings & D-Ring Tool
Item #: D Rings 9/16
Item #: D Ring Tool

C-Rings & C-Ring Tool
Item #: C Rings
Item #: C Ring Tool

Net Rings & Ring Tool

Stainless 11/16" crown 16 gauge Net Rings in 2,500 count boxes for use with our hand operated, auto-feed P7 style Ring Tool.

Ergonomic Ring Tool

Stainless 9/16" crown 15 gauge D-Rings in 2,500 count boxes for use with our hand operated, auto-feed D-Ring Tool. Natural position, less hand stress.

Air Powered Tool

Stainless 3/4" crown 16 gauge C-Rings in 11,000 count boxes for use with our air powered, auto-feed C-Ring Tool that holds sleeves of 100 rings.

To prevent gaps in a netting enclosure, use one Net Ring, D-Ring or C-Ring in every mesh of netting

Cable attachment: 1 ring per mesh
For 1/2" mesh use 24 rings per foot
For a 3/4" mesh use 16 rings per foot
For a 2" mesh use 6 rings per foot

Zipper attachment: 1 ring per mesh both sides of zipper
Example: 2ft zipper on 3/4" net uses 64 rings
Seam Fastening: 1 ring per mesh each side of seam
Example: 10ft seam on 3/4" net uses 320 rings

Netting Zippers & Netting Tools

Net Zippers allow fast and easy access to areas and objects that end up behind the installed bird netting. Available in black and stone color. Custom zipper lengths available. Fasten Net Zippers to bird netting with Net Rings.

stone net zipper

black net zipper

HD marine grade zippers in 2, 4, 6 & 8' lengths. To order stone color include "S" in the item number.

Item #: Net Zipper 2
Item #: Net Zipper 4
Item #: Net Zipper 6
Item #: Net Zipper 8

Use net rings and ring tools to fasten zippers to the bird netting. Install one ring in each

netting mesh on both sides of the zipper as shown in the detail.

Swaging Tool
Item #: FBHSC350

Crimps Ferrules

Heavy duty swaging tool crimps 1/16" to 1/8" oval ferrules on to a variety of cable including the 3/32" Net Cable. Comes with wire and ferrule gauge.

Cable Cutter
Item #: Cable Cutter

Cuts Net Cable

Heavy duty cable and wire rope cutter cleanly and quickly cuts multi-strand cables without frays or kinks. Cuts up to 1/8" diameter.

ST Scissors
Item #: ST Scissors

Cuts Netting

Heavy duty muscle shears cut bird netting of all types, leather, canvas, thin gauge sheet metal, carpet, rubber and more. One blade serrated for firm grip.

For more information go to www.nixalite.com/nettinghardware.aspx

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