Catnet Enclosure DIY Plan:

1. Decide on the location of your Catnet enclosure and measure up the area you wish to enclose with cat netting (see the example below):

Things to measure and consider:
- Number of square metres of netting you need;
- Total length of netting edge you will fix to your structure (e.g. to a building, deck surface, fence, roof etc);
- Type of material you are fixing the netting to – wood, concrete, plaster, steel etc;
- What types of fastenings you are confident to install (screws, eyelets, u-nails etc);
- Size, shape and number of access zipper doors you would like;
- Whether you want the enclosure to be a permanent installation, or something you can easily remove in the future.

2. Read the Catnets How to Guide and this Plan to understand the options for fixing your Catnet, and to decide on which products you would like to use.

3. Using the product list attached, work out how much netting and how many of each fixing item you will need to build your enclosure.

Wire Rope Fastening System:

A wire-rope cable system is the most common method of attaching netting to hard surfaces such as cement, brickwork, buildings and fences. This is also the method employed for the majority of professionally installed enclosures. It is cost effective, gives a neat and professional finish and requires the least amount of drilling.

This method involves the installation of a STEEL WIRE ROPE which sits flush against your wall and then then acts as a support for net hanging. The netting is then attached to the wire rope using our NET-CLIPS or cable ties.

Net Clips used to attach netting to a tensioned wire rope

How to Install?

Step 1:
To ensure the wire remains close to the surface, 1 eyelet is inserted every metre. They type of eyelet you use will be determined by the type of surface your attaching it to.

Step 2:
Feed the wire rope through the eyelets. Secure both ends with the wire rope grips and tension the wire using the turnbuckle.

Step 3:
Use our Net Clips or Cable Ties to attach your netting onto the wire. The netting can have a black edging rope treaded through it if desired, but this in not essential. DO NOT simply weave the wire rope through the netting. As the wire rope is abrasive, it will rub on the netting over time.

Net Edging Rope:

Want to create an even more secure, neat and strong edging to your netting?

Our 5mm Black Polyethylene rope is a versatile accessory for your cat enclosure installation. This rope is UV stabilised for continued outdoor usage.

This rope is primarily used as a means of creating an "edging" along the netting. Fold 1 mesh of your netting over along the edge, and then interweave the rope (in and out of the meshes) along the length of the net. This creates a neat, secure and strong edging to your cat netting. This "edged" net can then be attached directly to a structure as appropriate.

PLEASE NOTE: Unlike Stainless Steel Wire Rope, Black rope cannot be tensioned for net hanging. It is NOT therefore an alternative to Stainless Wire.

How To Measure Up and Order:

Step 1:
Measure the length of wire required. This may be the length of a wall, the perimeter of a balcony or other. Try to keep the length of any one individual run of wire to a maximum of 20m.

Step 2:
Determine which type of eyelet to use:
- Dynabolt Eyelets - Brick, Concrete, Hard Surfaces
- Screw Eyelets - Timber
- Steel Eyelets – Steel Fences, Metal
- Bolt Eyelets - Miscellaneous

Calculate the number of each type of eyelets you will require to guide the wire along its path. We generally recommend 1 per metre plus any additional guiding the wire around corners etc.
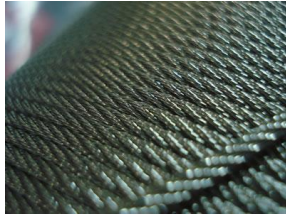
Step 3:
For each run of wire you should order 1 turnbuckle and two wire rope grips. The turnbuckle will tension the wire and the wire grips will hold the wire in position at each end.

Step 4:
You should order 4 Net clips per metre of wire rope. So simply multiply your wire length by 4 and you should then have the number of clips you will require. The lower cost alternative to the clips is the cable ties, which come in packs of 100.

Useful Tips for Installation:

- The long-term quality of the installation largely depends on the securing of the eyelets. The wire can be periodically re-tensioned to help maintain the integrity of the installation, however gradually loosening eyelets can cause the wire to lose tension. If the eyelets are fitted securely the first time, the initial installation and long term success of the enclosures will be a great success.
- As the wire rope is tensioned over long distances, it can have a tendency to want to pull away from the wall/fence. To stop this bowing effect (especially in possible "escape" areas), we recommend placing additional eyelets along the length of the run to keep the wire tight against the surface. We generally recommend placing an eyelet every 1 metre, however the more you use the more secure the wire will remain.

Catnet product	Work out what you require:	Cost (incl. GST)	Number required	Total cost
19mm Catnet	Calculate square metres required to infill all areas of enclosure: 1.2m wide rolls $4.80/m 1.8m wide rolls $7.20/m 3m wide rolls $12.00/m			
For wire rope framework: Netting edge length	Add up the length of all netting edges, so you can work out how much wire rope or black edging rope you need, and how many eyelets and fastenings you will need to install your enclosure.			
Wire rope (stainless steel 1.8mm, 7 strand)	Same length as netting edge length, plus allow 1m or more for fixing wire rope grips and turnbuckles.	$2/m		
Wire rope grips	2 per run of wire rope.	$4 ea.		
Turnbuckles	1 turnbuckle per run of wire rope.	$15 ea.		
Screw eyebolts	For fixing to timber surfaces. 1 per metre of wire rope run against timber, plus one at each angle and end of run.	$2 ea.		
Dynabolt eyebolts	For fixing to concrete or masonry surfaces. 1 per metre of wire rope run against concrete or masonry, plus one at each angle and end of run.	$5 ea.		
Steel eyelet	For fixing to steel surfaces. 1 per metre of wire rope run against steel, plus one at each angle and end of run.	$3 ea.		

Bolt eyebolt	For fixing through structures. 1 per metre of wire rope run where required, plus one at each angle and end of run.	$5 ea.		
Black edging rope:	Same length as netting edge length if fitting around entire netting edge, or length of any area where you want to directly fix netting to the structure, plus allow 1m or more for fixing wire rope grips and turnbuckles.	$20 per 50m roll		
U-nails (staples)	5 per metre (20cm apart) when used with edging rope to attach directly to structures.	$5 per pkt of 50		
Net-clips	4 clips per metre of wire rope.	$0.40c ea.		
Zip-ties	Cheaper alternative to Net-clips, packs of 100. 4 zip-ties per metre of wire rope.	$8 per pkt of 100		
Entry/exit zippers:				
Standard Zipper Kit	2m Zipper Length with slider, UV Treated Binding Twine, Large Eyed Sewing Needle.	$30		
L-Shape Zipper Kit	2m Zipper Length with slider, 1m Zipper Length with slider, UV Treated Binding Twine, Large Eyed Sewing Needle.	$40		
Machine-Sewn Zipper Panel	1.8m High UV Treated Zipper panel, Double Sided Slider, Stainless Steel attachment points, Installation Instructions.	$75		

If you need help, get in touch with us via email (info@xcluder.co.nz) or phone (07) 3494505 and we can discuss with you what you think you might need.

Remember, there are many ways to install a Catnet enclosure, and we want to help you get the installation that you and your cat desire!