



# longhua

Professional on cable ties manufacturing

-2024 / 2025 Catalogue-

ISO 9001:2015, ISO 14001:2015, TS 16949:2015

technology creates quality



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## Environmental Friendly Material Pre-consumer recycled polymer PA 66 Cable ties



MINIMUM 84% RECYCLED CONTENT  
PRE-CONSUMER

- Material: Pre-consumer recycled polymer PA 6.6
  - Color: Black
  - Flammability of raw material : UL 94 - HB
- Working (Operation) Temperature: -40°C - + 105°C (-40°F - + 221°F)
  - Min Installation Temperature: -20°C (-4°F)
- Good resistance to bases, oils, greases, oil derivates, chloride solvents. Limited resistance to acids. Not resistant to phenols.
- Excellent to cold resistant with medium impact modified
  - Heat Stabilised and UV Resistant

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-EF-M-100-4	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs
LH-EF-M-150-6	2.5 x 150mm	6.0	3.0 - 36.5 mm	0.12 - 1.44"	
LH-EF-M-200-8	2.5 x 200mm	8.0	3.0 - 52.5 mm	0.12 - 2.07"	

LH-EF-I-140-5	3.6 x 140 mm	5.5	3.5 - 33.0 mm	0.14 - 1.30"	180N, 18.3 kgs, 40lbs
LH-EF-I-200-8	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	

LH-EF-S-200-8	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	230N, 23.4 kgs, 50lbs
LH-EF-S-280-11	4.8 x 280 mm	11.0	3.5 - 74.8 mm	0.14 - 2.94"	
LH-EF-S-300-12	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-EF-S-360-14	4.8 x 360 mm	14.0	3.5 - 100.0 mm	0.14 - 3.94"	
LH-EF-S-370-15	4.8 x 370 mm	14.6	3.5 - 103.5 mm	0.14 - 4.07"	

LH-EF-HD-300-12	7.6 x 300 mm	11.8	8.5 - 82.8 mm	0.33 - 3.26"	540N, 55.1 kgs, 120lbs
LH-EF-HD-365-14	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	
LH-EF-HD-610-24	7.6 x 610 mm	24.0	8.5 - 181.5 mm	0.33 - 7.15"	

## Brief Information

The owner of the company: Zhou Mingxing



The company of Wenzhou Longhua Daily Electron Co.,Ltd.  
Established in 1995

Located: Wenzhou city, Zhejiang province

Certified: ISO 9001:2015, ISO 14001:2015, BSCI

Products: Cable Ties, stainless steel ties, and wiring accessories

The time to start in current plant: 2004

The land size of current plant: 18,000m<sup>2</sup>

The production, packing, storage, office size: 20,000m<sup>2</sup>

Employee: 280

Injection Machines: 69 sets (from 170T-800T)

Current Production capacity: 750 Ton/month (35 x 40GP)

The company of Xuancheng Longhua Electron Co.,Ltd.  
Established in 2010

Located: Xuancheng city, Anhui province

Certified: ISO 9001:2015, IATF16949:2016, BSCI

Products: Cable Ties

The time to start exporting: 2011

The land size of current plant: 33,000m<sup>2</sup>

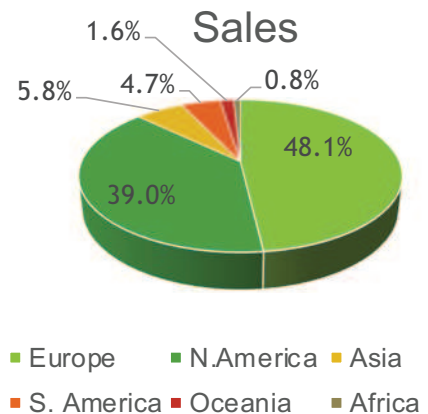
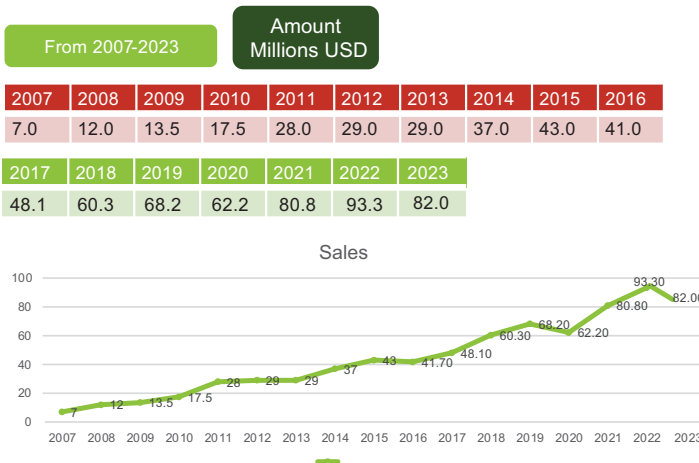
The production, packing, storage, office size: 20,000m<sup>2</sup>

Employee: 200

Injection Machines: 81sets (from 170T-1250T)

Current Production capacity: 800 Ton/month (40 x 40GP)

## Recent years performance of longhua exporting



## Total sell to 62 countries & top 10 countries sell to

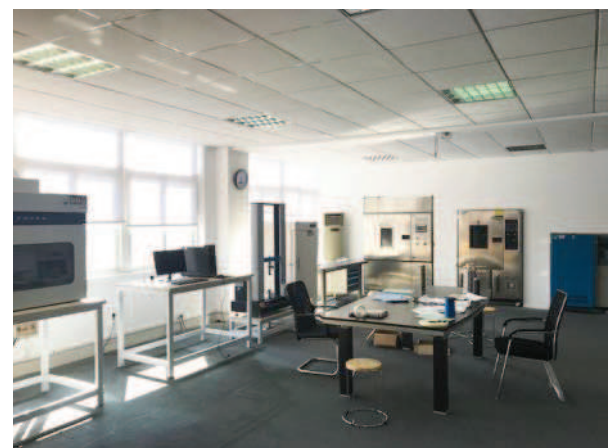


## Core Material Suppliers & Brands



## First UL witness lab in Asia-Pacific

Under standard of UL 62275



**• Capacity on mould design, processing, assembly, checking, and maintainance**

- Moulds, in longhua, there is the experienced mould team dated back to the year of the company started, with their experience on the cable ties and related wiring products, we are on keeping a stable quality of the mould, serving to the production.
- in 2012, longhua got a new team of mould, who are experienced with the latest mould technic "hot runner". With the combination of the old and new team, longhua has got more strength of the mould design, processing, assembling, and control, by absorbing the experience of the old team, and using the newest technic from the new team.
- in 2013, we finished our in-house mould processing workshop, and we have built the new team of the mould processing from CNC engraving and milling, Grinding, Wire Cut, WEDM-LS, electro-Spark. All of our mould processing is in-house work now.
- The dimensions will be controlled more precise according to our drawing, and the mould will be more stable after our own mould processing.
- At the same time, we use the "3D" machine to inspect the mould design after the first shot, in order to approve the final mould are complying with the design.



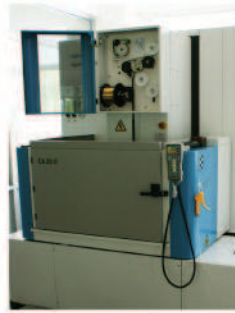
CNC Engraving & milling



Electro-Spark



Wire Cut



WEDM-LS



Grinding

- Remarks: welcome your new products, and we could develop the mould for you. Also we could sell mould per your request.

**• Material guaranteed for production of Cable ties**

- In order to provide the best quality for our customer, from 2005, we promise to use the top brand nylon 66 material for our customers. They are mainly from the brand of Dupont, Ascend in USA. We promise to use 100% of those brand material if there is no special note from customer.
- We have set up the "Central drying and feeding system" for our material drying and transferring to each injection machine. With this system, the material moisture content for injection, and the material consistent quality is to be guaranteed.



**• Ability of technic on plastic injection and packaging processing**

- Injection, in this team, most of the people are together with the company in a long time, the people are familiar with the machines, and could keep the machines in the best status for production with the right parameter, and know well of how to maintain the machines.
- The machines, we use the brand of Haitian, FCS, JSW.
- Till today, all of our machines have been applied with the auto-robot for the production, this way will give the people a safety working environment, and the quality of the products during the production will be more stable.
- Packing, we developed the auto packaging machines by ourselves, which including the function of air-out, water in, and sealing. Our way of the packaging, it could bring the cable ties bear the right moisture, and seal the products in good condition.



**• Quality Controlling and Assurance**

- Quality Control, our company is an ISO9001:2015, IATF16949:2015 approved company.
- We have set up the professional testing lab (based on UL62275) including the testing for Tensile Strength, Insertion Force, Moisture, High-low programme temperature, UV resistance, Aging, Smoking release and Salt-Spray for stainless steel. Our testing strictly followed the standard of UL62275, IEC EN62275:2019
- The quality warranty of our products, it is 1 year from receipt of the cargo. Our response for the defective products is that we will return and replace with the new one.



Insertion Force Testing



Tensile Strength Testing



Punching Testing



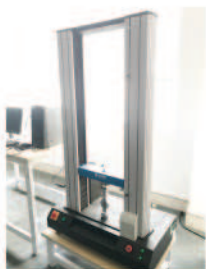
Moisture Testing



Frozen Testing

**• Main Equipment Listing**

**• Testing**



Equipment	Quantity
Tensile Testing Machine	5
Moisture Testing Machine	4
Insertion Force Testing Machine	2
High-Low Temperature Testing Machine	3
Ultra Light Testing Machine	1
Aging Machine	1
Freezing Machine	1
Smoking Release Machine	1
Salt Spray Testing Machine	1

**• Package**



Equipment	Quantity
Automatic Water Adding & Sealing Machine	>50

**• Molding Machines**



Equipment	Quantity
Plastic Molding Machine 160T	4
Plastic Molding Machine 170T	2
Plastic Molding Machine 250T	13
Plastic Molding Machine 270T	14
Plastic Molding Machine 300T	10
Plastic Molding Machine 320T	21
Plastic Molding Machine 330T	37
Plastic Molding Machine 350T	5
Plastic Molding Machine 380T	15
Plastic Molding Machine 400T	9
Plastic Molding Machine 480T	3
Plastic Molding Machine 500T	7
Plastic Molding Machine 600T	5
Plastic Molding Machine 650T	1
Plastic Molding Machine 800T	3
Plastic Molding Machine 1250T	1

**• Mold Processing Machines**



Equipment	Quantity
CNC engraving and milling	2
Grinding	5
Wire Cut	10
WEDM-LS	2
Electro-Spark	6

### • Main material for Cable Ties

Application Area	Material	Function	Flam Class	Min Install Temperature
General Purpose	Nylon 6/6	General	UL94 V2	-20 °C (-4°F)
Heat Stabilised	Nylon 6/6 Heat Stabilised	Heat Stabilised, UV	UL94 V2	-10 °C (14°F)
High Temperature Resistant	Nylon 4.6	High Temperature Resistant	UL94 V2	-10 °C (14°F)
Strong UV Light	Nylon 6/6 Weather Resistant	Weather Resistant	UL94 V2	-20 °C (-4°F)
Cold Area	Nylon 6/6 Medium Impact	Low Temperature, heat stabilised, UV	UL94 HB	-20 °C (-4°F)
Extreme Cold	Nylon 6/6 High Impact	Low Temperature, heat stabilised, UV	UL94 HB	-40 °C (-40°F)
Better Flammability	Nylon 6/6	Better Flammability	UL94 V0	-0 °C (32°F)
Solar Industry	Nylon 12, or Nylon 612	Low Temperature, heat stabilised, Extra UV	UL94 HB	-30 °C (-22°F)

### • How to choose a right cable ties?

The most important characteristics of a cable tie are:

- The raw-material they are made of (chemicals, weather, and heat resistance, low temperature resistance, the flammability rating)
- The tensile strength they can resistant
- The max diameter they can bundle
- The shape of the tie in case of particular applications
- Smoke and heat generation (Suitable for use in air-handling spaces (plenums))

### • Chemical Resistant

- please ask for information about the chemical resistance, if you need to apply the cable ties into a special area

### • UV Resistant

- All polymers including the polyamides used for the production of cable ties are sensitive to UV radiation. The most common additive used for protecting polyamides from UV radiation is carbon powder commonly known as "carbon black".
- Natural Cable Ties have low resistance to UV radiation, but natural color usually can reflect the sunlight, so it could be used for general purpose outdoor. But not suggested for outdoor application.
- Black Cable Ties are additivated with carbon black. They have improved weather and UV radiation resistance and are better suitable for outdoor applications, but this is not enough to protect the material from the damage due to the UV-radiation for a long time.
- For these needs the weather resistance cable ties could be used, and if for a long term of outdoor use, we strongly suggest you to choose Strong UV resistance (weather resistance) material and our strong UV resistance material, based on material supplier testing report, it remain a good function with 180 months application (15 years)

### • Temperature resistance

- Normally, the polyamide material without any additive, it only can be installed under the tempeprature of -20°C (-4°F), but the material will become very brittle with the temperature of lower than -20°C (-4°F). So for the normal grade polyamide material, we do not suggest you to install the cable ties if the temperature is lower than -20°C (-4°F).
- Many people is doubting that "what's the operation temp" means? usually it means the temperature the cable ties still could be worked after installation.
- So if you need to install a cable ties under extremely low temperature, please ask for the correct material.
- The polyamide material is really sensitive to the moisture. If without moisture, the materail will become brittle. So please do not open the bag for a long time before you use, and also after using, please close the bag immediately.
- In the dry and Cold winter, please do not keep the cable ties in a cold and dry weather. We do not suggest you to move out the Cable Ties from the conditioned warehouse if you are not ready to use it.
- The best condition for storage of Cable Ties is 23°C (73.4°F), at the humidity of 50%.

### • Flammability

- The UL 94 test, the Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing. The classifications relate to materials commonly used in manufacturing enclosures, structural parts and insulators found in consumer electronic products (V-0, V-1, V-2, HB, from the highest level to the lowest)

### • Standard from UL 62275

- Loop tensile strength  
Type 1 or 11 based,  
No individual value shall be less than 50 % of the loop tensile strength declared after heat aging, after temperature cycling.  
Type 2, 21, 21S based,  
No individual value shall be less than 100 % of the loop tensile strength declared after heat aging, after temperature cycling.

- Minimum installation temperature and operation temperature test  
According to the new standard of UL62275, the minimum installation temperature, and operation temperature test should be made. Different factories they will declare different minimum installation temperature, and operation temperature as well. so UL will indicate such information to approve the quality of the products, and the characters of the products.

- Smoke and heat generation  
AH-1: Suitable for use in air-handling spaces – 1 (plenums) (for Metallic component, like stainless steel cable ties)  
AH-2: Suitable for use in air-handling spaces – 2 (plenums) (for Non-metallic component and Composite component, like nylon cable ties, cable ties fixing, coated stainless steel cable ties)

● **Standard Cable Ties**

- Material:  
 Natural: Polyamide (Nylon) 6.6 natural  
 UV Black: Polyamide (Nylon) 6.6 + carbon black  
 Colors: Polyamide (Nylon) 6.6 natural + Colorant
- Flammability of raw material : UL 94 - V2, Plenum Rated
- Humidity absorption: 2,7% - 2,8% (23°C -50%RH)
- Working (Operation) Temperature: -40°C - + 85°C (-40°F - + 185°F)
- Min Installation Temperature: -20°C (-4°F)
- Max sustainable temperature for short time: +110°C (230°F)
- Good resistance to bases, oils, greases, oil derivates, chloride solvents. Limited resistance to acids. Not resistant to phenols.
- UL (Underwriters Laboratories) : File E258930 based newest standard UL62275
- TUV, DNV-GL Approval: EN (IEC) 62275:2019
- REACH, ROHS, PAHS Compliance, Halogen Free



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-M-080-3	2.5 x 80 mm	3.1	3.0 - 14.0 mm	0.12 - 0.55"	80N, 8.1 kgs, 18lbs	21
LH-M-100-4	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"		
LH-M-120-5	2.5 x 120mm	4.7	3.0 - 27.0 mm	0.12 - 1.06"		
LH-M-130-5	2.5 x 130mm	5.0	3.0 - 30.0 mm	0.12 - 1.18"		
LH-M-150-6	2.5 x 150mm	6.0	3.0 - 36.5 mm	0.12 - 1.44"		
LH-M-160-6	2.5 x 160mm	6.3	3.0 - 39.8 mm	0.12 - 1.57"		
LH-M-200-8	2.5 x 200mm	8.0	3.0 - 52.5 mm	0.12 - 2.07"		
LH-M-260-10	2.5 x 260mm	10.2	3.0 - 73.0 mm	0.12 - 2.87"		
LH-M-380-15	2.5 x 380mm	15.0	3.0 - 110.0 mm	0.12 - 4.33"		

LH-I-140-5	3.6 x 140 mm	5.5	3.5 - 33.0 mm	0.14 - 1.30"	180N, 18.3 kgs, 40lbs	21
LH-I-150-6	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"		
LH-I-180-7	3.6 x 180 mm	7.1	3.5 - 46.0 mm	0.14 - 1.81"		
LH-I-200-8	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"		
LH-I-215-8	3.6 x 215 mm	8.5	3.5 - 57.0 mm	0.14 - 2.24"		
LH-I-250-10	3.6 x 250 mm	9.8	3.5 - 68.0 mm	0.14 - 2.68"		
LH-I-280-11	3.6 x 280 mm	11.0	3.5 - 78.0 mm	0.14 - 3.07"		
LH-I-300-12	3.6 x 300 mm	11.8	3.5 - 84.0 mm	0.14 - 3.31"		
LH-I-370-15	3.6 x 370 mm	14.6	3.5 - 106.0 mm	0.14 - 4.17"		

LH-S-120-5	4.6 x 120 mm	4.7	3.5 - 23.8 mm	0.14 - 0.94"	230N, 23.4 kgs, 50lbs	21,21S
LH-S-160-6	4.6 x 160 mm	6.3	3.5 - 36.6 mm	0.14 - 1.44"		
LH-S-180-7	4.6 x 180 mm	7.0	3.5 - 43.0 mm	0.14 - 1.69"		
LH-S-190-8	4.6 x 190 mm	7.5	3.5 - 46.0 mm	0.14 - 1.81"		
LH-S-200-8	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"		
LH-S-215-8	4.8 x 215 mm	8.5	3.5 - 54.0 mm	0.14 - 2.13"		
LH-S-250-10	4.8 x 250 mm	10.0	3.5 - 65.0 mm	0.14 - 2.56"		
LH-S-280-11	4.8 x 280 mm	11.0	3.5 - 74.8 mm	0.14 - 2.94"		



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-S-300-12	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	230N, 23.4 kgs, 50lbs	21,21S
LH-S-350-14	4.8 x 350 mm	13.8	3.5 - 97.0 mm	0.14 - 3.82"		
LH-S-360-14	4.8 x 360 mm	14.0	3.5 - 100.0 mm	0.14 - 3.94"		
LH-S-370-15	4.8 x 370 mm	14.6	3.5 - 103.5 mm	0.14 - 4.07"		
LH-S-380-15	4.8 x 380 mm	15.0	3.5 - 106.7 mm	0.14 - 4.20"		
LH-S-390-16	4.8 x 390 mm	15.5	3.5 - 110.0 mm	0.14 - 4.33"		
LH-S-430-17	4.8 x 430 mm	17.0	3.5 - 122.5 mm	0.14 - 4.82"		
LH-S-450-18	4.8 x 450 mm	18.0	3.5 - 129.0 mm	0.14 - 5.08"		
LH-S-500-20	4.8 x 500 mm	19.7	3.5 - 145.0 mm	0.14 - 5.71"		
LH-S-550-21	4.8 x 550 mm	21.7	3.5 - 160.0 mm	0.14 - 6.30"		
LH-S-610-24	4.8 x 610 mm	24.0	3.5 - 179.9 mm	0.14 - 7.08"		
LH-S-740-29	4.8 x 740 mm	29.0	3.5 - 220.0 mm	0.14 - 8.66"		
LH-S-920-36	4.8 x 920 mm	36.0	3.5 - 278.0 mm	0.14 - 10.94"		

LH-HD-150-6	7.6 x 150 mm	6.0	8.5 - 35.0 mm	0.33 - 1.38"	540N, 55.1 kgs, 120lbs	21,21S
LH-HD-200-8	7.6 x 200 mm	8.0	8.5 - 50.9 mm	0.33 - 2.00"		
LH-HD-220-8	7.6 x 220 mm	8.7	8.5 - 56.0 mm	0.33 - 2.20"		
LH-HD-250-10	7.6 x 250 mm	10.0	8.5 - 66.8 mm	0.33 - 2.63"		
LH-HD-280-11	7.6 x 280 mm	11.0	8.5 - 76.4 mm	0.33 - 3.01"		
LH-HD-300-12	7.6 x 300 mm	11.8	8.5 - 82.8 mm	0.33 - 3.26"		
LH-HD-350-14	7.6 x 350 mm	13.8	8.5 - 98.5 mm	0.33 - 3.88"		
LH-HD-365-14	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"		
LH-HD-380-15	7.6 x 380 mm	15.0	8.5 - 108.0 mm	0.33 - 4.25"		
LH-HD-400-16	7.6 x 400 mm	15.7	8.5 - 114.5 mm	0.33 - 4.51"		
LH-HD-450-18	7.6 x 450 mm	18.0	8.5 - 130.5 mm	0.33 - 5.14"		
LH-HD-500-20	7.6 x 500 mm	19.7	8.5 - 146.5 mm	0.33 - 5.77"		
LH-HD-550-22	7.6 x 550 mm	21.7	8.5 - 162.5 mm	0.33 - 6.40"		
LH-HD-610-24	7.6 x 610 mm	24.0	8.5 - 181.5 mm	0.33 - 7.15"		
LH-HD-750-30	7.6 x 750 mm	29.5	8.5 - 226.0 mm	0.33 - 8.90"		

LH-EHD-300-12	8.8 x 300 mm	11.8	8.5 - 83.0 mm	0.33 - 3.27"	800N, 81.6 Kgs, 175lbs	21,21S
LH-EHD-400-16	8.8 x 400 mm	15.7	8.5 - 115.0 mm	0.33 - 4.53"		
LH-EHD-450-18	8.8 x 450 mm	18.0	8.5 - 130.5 mm	0.33 - 5.14"		
LH-EHD-500-20	8.8 x 500 mm	19.7	8.5 - 146.5 mm	0.33 - 5.77"		
LH-EHD-550-21	8.8 x 550 mm	21.7	8.5 - 163.5 mm	0.33 - 6.44"		
LH-EHD-610-24	8.8 x 610 mm	24.0	8.5 - 181.5 mm	0.33 - 7.15"		
LH-EHD-710-28	8.8 x 710 mm	28.0	8.5 - 195.0 mm	0.33 - 7.68"		
LH-EHD-750-29	8.8 x 750 mm	29.5	8.5 - 205.0 mm	0.33 - 8.07"		
LH-EHD-760-30	8.8 x 760 mm	30.0	8.5 - 229.5 mm	0.33 - 9.04"		
LH-EHD-780-31	8.8 x 780 mm	30.7	8.5 - 235.5 mm	0.33 - 9.27"		
LH-EHD-810-32	8.8 x 810 mm	32.0	8.5 - 245.0 mm	0.33 - 9.65"		
LH-EHD-920-36	8.8 x 920 mm	36.0	8.5 - 280.0 mm	0.33 - 11.02"		
LH-EHD-1020-40	8.8 x 1020 mm	40.0	8.5 - 295.0 mm	0.33 - 11.61"		
LH-EHD-1168-46	8.8 x 1168 mm	46.0	8.5 - 340.0 mm	0.33 - 13.39"		
LH-EHD-1220-48	8.8 x 1220 mm	48.0	8.5 - 375.5 mm	0.33 - 14.78"		
LH-EHD-1530-60	8.8 x 1530 mm	60.0	8.5 - 450.0 mm	0.33 - 17.72"		

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-HSD-230-9	12.4 x 230 mm	9.0	9.0 - 57.0 mm	0.35 - 2.24"	1200N, 122.4 Kgs, 250lbs	21
LH-HSD-290-11	12.4 x 290 mm	11.4	9.0 - 76.0 mm	0.35 - 2.99"		
LH-HSD-380-15	12.4 x 380 mm	15.0	9.0 - 103.5 mm	0.35 - 4.07"		
LH-HSD-480-19	12.4 x 480 mm	19.0	9.0 - 136.0 mm	0.35 - 5.35"		
LH-HSD-530-21	12.4 x 530 mm	21.0	9.0 - 156.0 mm	0.35 - 6.14"		
LH-HSD-580-22	12.4 x 580 mm	22.8	9.0 - 168.0 mm	0.35 - 6.61"		
LH-HSD-650-26	12.4 x 650 mm	25.6	9.0 - 195.0 mm	0.35 - 7.68"		
LH-HSD-730-28	12.4 x 730 mm	28.7	9.0 - 216.0 mm	0.35 - 8.50"		
LH-HSD-880-34	12.4 x 880 mm	34.6	9.0 - 263.0 mm	0.35 - 10.35"		
LH-HSD-1000-34	12.4 x 1000 mm	39.4	18.0 - 315.0 mm	0.71 - 12.40"		

**● Magic Cable Ties (Hook & Loop Ties)**

- Self-locking head and body design
  - Provides a fast and easy way of application
  - Material: Hook: Nylon, Loop: Polyester, Base: Synthetic Resin
  - Color available: Black, Green, Yellow, Red, Blue, White
  - Melt temperature: Hook: 230°C, Loop: 180°C
  - Working (Operation) Temperature -40°C - + 85°C (-40°F - + 185°F)
  - Min Installation Temperature: -20°C (0°F)
- Remarks: the tensile strength will be increased under the cold temperature, but the durability will be reduced.
- Water resistant: it could be used under the water, the tensile will be reduced 50%, but after dry it, the tensile will be recovered.
  - Chemical Resistant: Alkaline Soda (50%), Ammonia (28%), Hydrochloric Acid (2.5%), Nitric Acid (3.5%), can be still worked.
  - Tensile Strength: 1x1cm connection: 25N (5.6lb), Peeling force: 1x1cm connection: 3N (0.67lb)

**Hook & Loop  
Cable Ties**



**Pre-Cut Back to Back Style**

Item No.	Width X Length	Length (in)	Bundle Diameter (Max)	Bundle Diameter (Max)
LH-VT-(1/2)-130-5	12.5 x 130 mm	5.1	35.0 mm	1.38"
LH-VT-(1/2)-180-7	12.5 x 180 mm	7.0	51.0 mm	2.00"
LH-VT-(1/2)-200-8	12.5 x 200mm	8.0	59.0 mm	2.32"
LH-VT-(1/2)-300-12	12.5 x 300 mm	11.8	89.0 mm	3.50"
LH-VT-(2/3)-300-12	17.0 x 310 mm	12.9	92.0 mm	3.60"

**In Roll Style (could be perforated at fixed length upon request)**

Item No.	Width X Length	Width X Length
LH-VT-(3/8)-25YD	9.5mm x 22.8 m	3/8" x 25 yd
LH-VT-(1/2)-25YD	12.5mm x 22.8 m	1/2" x 25 yd
LH-Vt-(3/4)-25YD	19.0 mm x 22.8 m	3/4" x 25 yd
LH-VT-(3/8)-25M	10.0mm x 25.0 m	3/8" x 27.3 yd
LH-VT-(5/8)-25M	16.0mm x 25.0 m	5/8" x 27.3 yd
LH-VT-(13/16)-25M	20.0mm x 25.0 m	13/16" x 27.3 yd
LH-VT-(1)-25M	25.0mm x 25.0 m	1" x 27.3 yd



**In Roll Style Male and Female**

Item No.	Width X Length	Width X Length
LH-VTM-(1)-25M	25.0mm x 25.0 m	1" x 27.3 yd
LH-VTF-(1)-25M	25.0mm x 25.0 m	1" x 27.3 yd

**Remarks**

1. Material is available upon request
2. Width is available from 9.5-150mm
3. Pre-cut model is available upon request

● **Metal Barb Cable Ties**

- Material:
  - Natural: Polyamide (Nylon) 6.6 natural
  - UV Black: Polyamide (Nylon) 6.6 + carbon black
  - Colors: Polyamide (Nylon) 6.6 natural + Colorant
  - Barb: 316 Stainless steel
- Flammability of raw material : UL 94 - V2, Plenum Rated
- Humidity absorption: 2,7% - 2,8% (23°C -50%RH)
- Working (Operation) Temperature: -60°C - + 85°C (-76°F - + 185°F)
- Min Installation Temperature: -20°C (-4°F)
- Max sustainable temperature for short time: +110°C (230°F)
- Good resistance to bases, oils, greases, oil derivates, chloride solvents. Limited resistance to acids. Not resistant to phenols.
- UL (Underwriters Laboratories) : File E258930 based newest standard UL62275
- REACH, ROHS, PAHS Compliance, Halogen Free



\*Heat Stabilised Material, Metal detectable material, PA12 material is available upon request\*

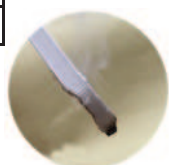
Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-M-100-4-LST	3.0 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs	21
LH-M-160-6-LST	3.0 x 160 mm	6.3	3.0 - 39.8 mm	0.12 - 1.57"		
LH-M-200-8-LST	3.0 x 200 mm	8.0	3.0 - 52.5 mm	0.12 - 2.07"		
LH-I-140-5-LST	3.6 x 140 mm	5.5	3.5 - 33.0 mm	0.14 - 1.30"	180N, 18.3 kgs, 40lbs	21
LH-I-200-8-LST	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"		
LH-I-300-12-LST	3.6 x 300 mm	11.8	3.5 - 84.0 mm	0.14 - 3.31"		
LH-I-370-15-LST	3.6 x 370 mm	14.5	3.5 - 106.0 mm	0.14 - 4.17"	222N, 22.7 kgs, 50lbs	21,21S
LH-S-200-8-LST	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"		
LH-S-250-10-LST	4.8 x 250 mm	10.0	3.5 - 65.0 mm	0.14 - 2.56"		
LH-S-300-12-LST	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	540N, 55.1 kgs, 120lbs	21,21S
LH-S-370-15-LST	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"		
LH-HD-220-8-LST	7.0 x 220 mm	8.6	8.5 - 47.2 mm	0.33 - 1.86"		
LH-HD-300-12-LST	7.0 x 300 mm	11.8	8.5 - 82.8 mm	0.33 - 3.26"	540N, 55.1 kgs, 120lbs	21,21S
LH-HD-370-14-LST	7.0 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"		
LH-HD-460-18-LST	7.0 x 460 mm	18.0	8.5 - 130.5 mm	0.33 - 5.14"		
LH-HD-620-24-LST	7.0 x 620 mm	24.4	8.5 - 181.5 mm	0.33 - 7.15"	540N, 55.1 kgs, 120lbs	21,21S
LH-HD-760-30-LST	7.0 x 760 mm	29.9	8.5 - 226.0 mm	0.33 - 8.90"		

**Special Cable Ties**

● **UL 94V-0 Grade Cable Ties**

- Main characters: Flammability of raw material: UL 94-V0 (Basic Material: Nylon 6.6)

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-M-100-4-V0	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1kgs, 18lbs
LH-I-150-6-V0	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs
LH-I-200-8-V0	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-S-200-8-V0	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	222N, 22.7 kgs, 50lbs
LH-S-300-12-V0	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-S-370-15-V0	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-HD-370-14-V0	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs



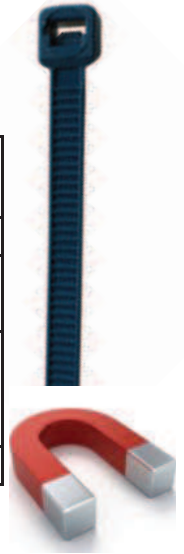
**Better Flame Retardance**



● **Metal Detectable Cable Ties (FDA compliance)**

• made of detectable nylon (PA66) compounds (the "Products"). These products are intended for use in the proximity of food processing, handling, and packaging operations. In addition, these products are used for cable management on food processing and packaging equipment, and inside electrical control panels found in food processing and packaging operations.

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-M-100-4-MD	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs
LH-I-150-6-MD	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs
LH-I-200-8-MD	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-S-200-8-MD	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	222N, 22.7 kgs, 50lbs
LH-S-300-12-MD	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-S-370-15-MD	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-HD-370-14-MD	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs



**FOOD industry** Food Safe and Dependable

● **Extreme Cold Resistant Cable Ties (Medium Impact)**

• Minimum Installation Temp: -20°C (-4°F), Nylon 6.6 material base

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-M-100-4-ECR	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs
LH-I-150-6-ECR	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs
LH-I-200-8-ECR	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-S-200-8-ECR	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	222N, 22.7 kgs, 50lbs
LH-S-300-12-ECR	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-S-370-15-ECR	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-HD-370-14-ECR	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs



● **Extreme Cold Resistant Cable Ties (High Impact)**

• Minimum Installation Temp: -40°C (-40°F), Nylon 6.6 material base

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-M-100-4-LCR	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs
LH-I-150-6-LCR	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs
LH-I-200-8-LCR	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-S-200-8-LCR	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	222N, 22.7 kgs, 50lbs
LH-S-300-12-LCR	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-S-370-15-LCR	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-HD-370-14-LCR	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs

● **Releasable Cable Ties**

• Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-R-I-100-4	3.6 x 100 mm	4.0	3.5 - 22.6 mm	0.14 - 0.89"	180N, 18.3 kgs, 40lbs
LH-R-S-160-6	4.8 x 160 mm	2.0	3.5 - 41.9 mm	0.14 - 1.65"	222N, 22.7 kgs, 50lbs
LH-R-S-200-8	4.8 x 200 mm	8.0	3.5 - 54.8 mm	0.14 - 2.16"	
LH-R-S-250-10	4.8 x 250 mm	9.8	3.5 - 65.0 mm	0.14 - 2.56"	
LH-R-S-300-12	4.8 x 300 mm	11.8	3.5 - 88.1 mm	0.14 - 3.47"	
LH-R-S-380-15	4.8 x 380 mm	15.0	3.5 - 111.0 mm	0.14 - 4.37"	



● **High Temperature Resistant Cable Ties**

- Material: Natural: Polyamide 46
- Flammability of raw material : UL 94 - V2
- Humidity absorption: 2,7% - 2,8% (23°C -50%RH)
- Working (Operation) Temperature: -40°C - + 130°C (-40°F - + 266°F), Max: 150°C( 302°F)
- Min Installation Temperature: -10°C (14°F)
- Good resistance to bases, oils, greases, oil derivates, chloride solvents.  
Limited resistance to acids. Not resistant to phenols.
- REACH, ROHS, PAHS Compliance.



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-M-100-4-HT	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs	21
LH-I-150-6-HT	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs	
LH-I-200-8-HT	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"		
LH-S-200-8-HT	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	222N, 22.7 kgs, 50lbs	
LH-S-300-12-HT	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"		
LH-S-370-15-HT	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"		
LH-HD-370-14-HT	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs	

● **Screw Mounted Cable Ties**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fastener
LH-MT-M-110-4	2.5 x 110 mm	4.3	3.0 - 19.0 mm	0.12 - 0.75"	80N, 8.1 kgs, 18lbs	M2.5 (4#)
LH-MT-I-150-6	3.6 x 150 mm	6.0	3.5 - 39.5 mm	0.14 - 1.56"	180N, 18.3 kgs, 40lbs	M4 (8#)
LH-MT-S-160-6	4.8 x 160 mm	6.3	3.5 - 36.8 mm	0.14 - 1.45"	222N, 22.7 kgs, 50lbs	M5 (10#)
LH-MT-S-200-8	4.8 x 200 mm	8.0	3.5 - 49.8 mm	0.14 - 1.96"		
LH-MT-S-300-12	4.8 x 300 mm	11.8	3.5 - 82.8 mm	0.14 - 3.26"		
LH-MT-S-370-15	4.8 x 370 mm	14.5	3.5 - 103.8 mm	0.14 - 4.09"		
LH-MT-HD-300-12	7.6 x 300 mm	11.8	8.5 - 78.7 mm	0.33 - 3.10"	540N, 55.1 kgs, 120lbs	M6 (1/4#)
LH-MT-HD-400-15	7.6 x 400 mm	15.7	8.5 - 109.2 mm	0.33 - 4.30"		



● **Reusable Cable Ties**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-R-SH-150-6	7.6 x 150 mm	6.0	10.0 - 40.3 mm	0.39 - 1.59"	222N, 22.7 kgs, 50lbs	21
LH-R-SH-200-8	7.6 x 200 mm	8.0	10.0 - 55.6 mm	0.39 - 2.19"		
LH-R-SH-250-10	7.6 x 250 mm	9.8	10.0 - 66.7 mm	0.39 - 2.63"		
LH-R-SH-300-12	7.6 x 300 mm	11.8	10.0 - 82.0 mm	0.39 - 3.23"		
LH-R-SH-370-14	7.6 x 370 mm	14.5	10.0 - 104.3 mm	0.39 - 4.11"		
LH-R-SH-540-21	7.6 x 540 mm	21.3	10.0 - 158.4 mm	0.39 - 6.24"		



● **Extern Cable Ties**

- Nylon 6.6 material / Polyamide 12



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-E-HD-180-7	9.0 x 180 mm	7.0	20.0 - 40.0 mm	0.79 - 1.57"	400N, 40.8 kgs, 88lbs
LH-E-HD-265-10	9.0 x 265 mm	10.4	20.0 - 62.0 mm	0.79 - 2.44"	540N, 55.1 kgs, 120lbs
LH-E-HD-300-12	9.0 x 300 mm	11.8	20.0 - 80.0 mm	0.79 - 3.15"	
LH-E-HD-360-14	9.0 x 360 mm	14.0	20.0 - 93.0 mm	0.79 - 3.66"	
LH-E-HD-510-20	9.0 x 510 mm	20.0	20.0 - 140.0 mm	0.79 - 5.51"	
LH-E-HD-760-30	9.0 x 760 mm	30.0	20.0 - 220.0 mm	0.79 - 8.66"	



● **Double Loop Cable Ties**

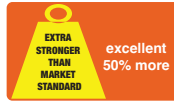
- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-D-S-200-8	4.8 x 200 mm	8.0	3.5 - 57.1 mm	0.14 - 2.25"	222N, 22.7 kgs, 50lbs
LH-D-S-300-12	4.8 x 300 mm	11.8	3.5 - 85.3 mm	0.14 - 3.36"	

● **75 lbs Cable Ties**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-75S-200-8	4.8 x 200 mm	8.0	3.0 - 50.0 mm	0.12 - 1.97"	334N, 34.1kgs, 75lbs	21, 21S
LH-75S-280-11	4.8 x 280 mm	11.0	3.0 - 70.0 mm	0.12 - 2.76"		
LH-75S-360-14	4.8 x 360 mm	14.0	3.0 - 102.0 mm	0.12 - 4.02"		

● **Polypropylene Cable ties**

- Polypropylene, Flammability of raw material: UL94 HB
- High impact strength
- Excellent resistance to low temperature brittleness
- Good stiffness
- Resin meets the FDA requirements in the code of Federal regulations in 21 CFR 177.1520 for food contact.
- Working (Operation) Temperature: -20°C - + 75°C (-4°F -+ 167°F)

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-M-100-4-PP	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	50N, 5.1 kgs, 11lbs
LH-I-150-6-PP	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	80N, 8.1 kgs, 18lbs
LH-I-200-8-PP	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-S-200-8-PP	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	135N, 13.8 kgs, 30lbs
LH-S-300-12-PP	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-S-370-15-PP	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-HD-370-14-PP	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	230N, 23.4 kgs, 50lbs

● **Chassis Cable Ties**

- Nylon 6.6 material, high impact and heat stabilised
- Button style head sits on reverse of panel and allows tie to be secured forming a loop. Allows pipe or cable bundles to be fixed to a panel using a single hole.

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-BTR-S-200-8	7.6 x 200 mm	8.0	8.5 - 50.9 mm	0.33 - 2.00"	540N, 55.1 kgs, 120lbs
LH-BTR-S-300-12	7.6 x 300 mm	11.8	8.5 - 82.8 mm	0.33 - 3.26"	
LH-BTR-S-370-14	7.6 x 370 mm	14.0	8.5 - 103.5 mm	0.33 - 4.07"	
LH-BTS-S-370-14	7.6 x 370 mm	14.0	8.5 - 103.5 mm	0.33 - 4.07"	

● **Clamp Head Cable Ties**

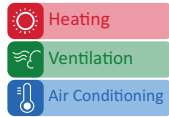
- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-CH-M-100-4	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8.1 kgs, 18lbs
LH-CH-S-200-8	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	230N, 23.4 kgs, 50lbs



● **UL 181B Listed HVAC Cable Ties**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-HVAC-610-24	9.0 x 610 mm	24.0	8.5 - 181.5 mm	0.33 - 7.15"	780N, 79.6 kgs, 175lbs
LH-HVAC-920-36	9.0 x 920 mm	36.0	8.5 - 280.0 mm	0.33 - 11.02"	
LH-HVAC-1220-48	9.0 x 1220 mm	48.0	8.5 - 375.5 mm	0.33 - 14.78"	



● **Lashing Cable Ties**

- Nylon 6.6 material
- Available in releasable type

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-L-HSD-590-23	12.4 x 590 mm	23.2	9.0 - 165.0 mm	0.35 - 6.50"	1200N, 122.4 Kgs, 250lbs



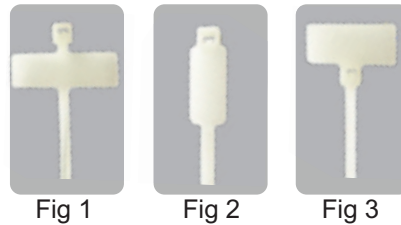
● **Marker Cable Ties**

- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fig
LH-M-M-100-4	2.5 x 100 mm	4.0	3.0 - 22.0 mm	0.12 - 0.87"	80N, 8,1 kgs, 18lbs	1
LH-M-M-200-8	2.5 x 200 mm	8.0	3.0 - 53.9 mm	0.12 - 2.12"	80N, 8,1 kgs, 18lbs	1
LH-M-S-190-8	4.8 x 190 mm	7.9	3.5 - 50.9 mm	0.14 - 2.00"	230N, 23.4 kgs, 50lbs	2
LH-M-S-300-12	4.8 x 300 mm	11.8	3.5 - 84.4 mm	0.14 - 3.32"	230N, 23.4 kgs, 50lbs	2
LH-M-S-370-14	4.8 x 370 mm	14.5	3.5 - 106.7 mm	0.14 - 4.20"	230N, 23.4 kgs, 50lbs	2
LH-M-M-110-4	2.5 x 110 mm	4.3	3.0 - 22.6 mm	0.12 - 0.89"	80N, 8,1 kgs, 18lbs	3



Item No.	Write Area	Write Area
LH-M-M-100-4	7.75 x 24.5 mm	0.30 x 0.95"
LH-M-M-200-8	7.75 x 24.5 mm	0.30 x 0.95"
LH-M-S-190-8	12.9 x 27 mm	0.50 x 1.05"
LH-M-S-300-12	12.9 x 27 mm	0.50 x 1.05"
LH-M-S-370-14	12.9 x 27 mm	0.50 x 1.05"
LH-M-M-110-4	9.0 x 20 mm	0.35 x 0.78"



● **Beaded Cable Ties**

- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Fig
LH-BD-100-4	100 mm	4.0	25.0 mm	0.98"	1
LH-BD-150-6	150 mm	6.0	36.0 mm	1.41"	2
LH-BD-200-8	200 mm	8.0	51.9 mm	2.04"	2



Fig 1 Fig 2

● **Double Loop Beaded Cable Ties**

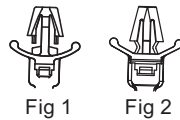
- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-DBL-210-8	4.5 x 210 mm	8.0	8.0 - 53.5 mm	0.31 - 2.11"	230N, 23.4 kgs, 50lbs
LH-DBL-310-12	4.5 x 310 mm	12.0	8.0 - 83.8 mm	0.31 - 3.30"	
LH-DBL-460-18	6.5 x 460 mm	18.0	8.0 - 129.5 mm	0.31 - 5.10"	540N, 55.1 kgs, 120lbs
LH-DBL-610-24	6.5 x 610 mm	24.0	8.0 - 175.2 mm	0.31 - 6.90"	



● **Wing Push Mount Cable Ties**

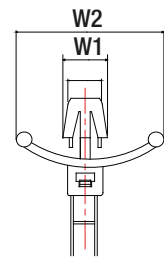
- Nylon 6.6 material
- Other material upon request



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fig
LH-WPT-M-100-4	2.5 x 100 mm	4.0	3.0 - 21.0 mm	0.12 - 0.83"	80N, 8,1 kgs, 18lbs	1
LH-WPT-M-110-4	2.5 x 110 mm	4.3	3.0 - 24.5 mm	0.12 - 0.96"		2
LH-WPT-M-110-4X	3.0 x 110 mm	4.3	3.0 - 21.0 mm	0.12 - 0.83"	180N, 18.3 kgs, 40lbs	1
LH-WPT-I-150-6	3.6 x 150 mm	6.1	3.5 - 36.9 mm	0.14 - 1.45"		1
LH-WPT-S-100-4	4.8 x 100 mm	4.0	3.5 - 21.0 mm	0.14 - 0.83"		1
LH-WPT-S-130-5	4.8 x 130 mm	6.1	3.5 - 30.2 mm	0.14 - 1.19"		1
LH-WPT-S-167-6*	4.8 x 167 mm	6.6	3.5 - 37.0 mm	0.14 - 1.46"		1
LH-WPT-S-200-8*	4.8 x 200 mm	8.0	3.5 - 49.6 mm	0.14 - 1.95"	2	



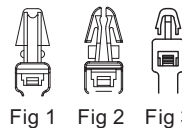
Item No.	W1	W2	Max Panel Thickness	Suggest Hole Size
LH-WPT-M-100-4	5.5 mm / 0.22"	18.2 mm / 0.72"	3.0 mm / 0.12"	4.5 mm / 0.18" - 5.0 mm / 0.20"
LH-WPT-M-110-4	5.4 mm / 0.21"	13.1 mm / 0.52"	3.0 mm / 0.12"	4.0 mm / 0.16" - 4.5 mm / 0.18"
LH-WPT-M-110-4X	6.2 mm / 0.24"	14.1 mm / 0.56"	3.0 mm / 0.12"	4.0 mm / 0.16" - 4.5 mm / 0.18"
LH-WPT-I-150-6	5.4 mm / 0.21"	11.5 mm / 0.45"	3.0 mm / 0.12"	4.2 mm / 0.17" - 4.5 mm / 0.18"
LH-WPT-S-100-4	8.7 mm / 0.34"	19.8 mm / 0.78"	3.0 mm / 0.12"	6.2 mm / 0.24" - 6.5 mm / 0.26"
LH-WPT-S-130-5	8.7 mm / 0.34"	19.8 mm / 0.78"	3.0 mm / 0.12"	6.2 mm / 0.24" - 6.5 mm / 0.26"
LH-WPT-S-167-6	9.5 mm / 0.37"	18.3 mm / 0.72"	3.0 mm / 0.12"	6.2 mm / 0.24" - 6.5 mm / 0.26"
LH-WPT-S-200-8	7.6 mm / 0.30"	17.8 mm / 0.70"	3.0 mm / 0.12"	6.2 mm / 0.24" - 6.5 mm / 0.26"



The item marked with \* is available in releasable version

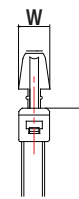
● **Push Mount Cable Ties**

- Nylon 6.6 material
- Other material upon request



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fig
LH-PT-150-6-F1	3.6 x 150 mm	6.0	3.5 - 37.9 mm	0.14 - 1.49"	180N, 18.3 kgs, 40lbs	1
LH-PT-150-6-F2	3.6 x 150 mm	6.0	3.5 - 37.9 mm	0.14 - 1.49"		2
LH-PT-200-8-F1	4.8 x 200 mm	8.0	3.5 - 50.8 mm	0.14 - 2.00"	230N, 23.4 kgs, 50lbs	1
LH-PT-200-8-F2	4.8 x 200 mm	8.0	3.5 - 50.8 mm	0.14 - 2.00"		2
LH-PT-225-9	4.8 x 225 mm	8.8	6.0 - 58.0 mm	0.24 - 2.28"		3

Item No.	W	Max Panel Thickness	Suggest Hole Size
LH-PT-150-6-F1	5.8 mm / 0.23"	2.5 mm / 0.10"	4.5 mm / 0.18"
LH-PT-150-6-F2	6.6 mm / 0.26"	2.5 mm / 0.10"	4.5 mm / 0.18"
LH-PT-200-8-F1	7.0 mm / 0.28"	3.5 mm / 0.14"	5.9 mm / 0.23"
LH-PT-200-8-F2	7.8 mm / 0.31"	3.5 mm / 0.14"	5.9 mm / 0.23"
LH-PT-225-9	6.1 mm / 0.24"	2.2 mm / 0.09"	4.8 mm / 0.19"



● **Double Loop Beaded Cable Ties**

- Polyethylene Material, Flammability of raw material: UL94 HB
- Excellent resistance to low temperature brittleness
- Good stiffness
- Working (Operation Temperature): -10° C - +60° C ( 14° C - +140° F)

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-DBLPE-185-7	5.0 x 185 mm	7.3	8.0 - 46.1 mm	0.31 - 1.81"	160N, 16.3 kgs, 35lbs
LH-DBLPE-235-9	5.0 x 235 mm	9.3	8.0 - 62.1 mm	0.31 - 2.44"	
LH-DBLPE-315-12	5.0 x 315 mm	12.4	8.0 - 87.6 mm	0.31 - 3.45"	
LH-DBLPE-500-19	7.5 x 500 mm	19.7	8.0 - 136.9 mm	0.31 - 5.39"	350N, 35.7 kgs, 80lbs
LH-DBLPE-650-26	7.5 x 650 mm	25.6	8.0 - 184.7 mm	0.31 - 7.27"	





● **Solar (PA12) Cable Ties**

Main Features:

- Low Humidity absorption: less than 1%
- UV and heat stabilised (life time to be supposed with 24 years)
- Excellent performance in challenging environments such as offshore, oil rigs, melting snow and freezing cold
- Material: Polyamide 12
- Operation Temperature: -40°C to +85°C (-40°F to +185°F)
- Minimum Installation Temperature: -30°C (-22°F)
- Flammability: UL94 HB

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-PA12-M-100-4	2.5 x 100 mm	4.0	3.0 - 20.5 mm	0.12 - 0.81"	80N, 8,1 kgs, 18lbs
LH-PA12-I-150-6	3.6 x 150 mm	6.0	3.5 - 36.0 mm	0.14 - 1.42"	180N, 18.3 kgs, 40lbs
LH-PA12-I-200-8	3.6 x 200 mm	8.0	3.5 - 52.5 mm	0.14 - 2.07"	
LH-PA12-S-200-8	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"	230N, 23.4 kgs, 50lb
LH-PA12-S-300-12	4.8 x 300 mm	11.8	3.5 - 81.0 mm	0.14 - 3.19"	
LH-PA12-S-370-15	4.8 x 370 mm	14.5	3.5 - 103.5 mm	0.14 - 4.07"	
LH-PA12-HD-370-14	7.6 x 370 mm	14.5	8.5 - 103.5 mm	0.33 - 4.07"	540N, 55.1 kgs, 120lbs
LH-PA12-HD-610-24	7.6 x 610 mm	24.0	6.0 - 181.5 mm	0.33 - 7.15"	



● **Out-Serration Cable Ties**

Main Features:

- The teeth is outside after bundling, it could protect the cable.
- Material suggested
- Polyamide 6.6, heat stabilised (PA66HS)  
(available with standard Polyamide 6.6, UV black Polyamide 6.6)
- Operation Temperature
- Heat stabilised (PA66HS): -40°C to +115°C (-40°F to +239°F)
- Polyamide 6.6 standard and UV-stabilised (PA66UV): -40°C to +85°C (-40°F to +185°F)

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-OS-M-100-4	2.5 x 100 mm	4.0	1.5 - 20.5 mm	0.06 - 0.81"	80N, 8,1 kgs, 18lbs
LH-OS-I-140-5	3.6 x 140 mm	6.0	2.0 - 33.0 mm	0.08 - 1.30"	180N, 18.3 kgs, 40lbs
LH-OS-I-200-8	3.6 x 200 mm	8.0	2.0 - 52.5 mm	0.08 - 2.07"	
LH-OS-S-200-8	4.8 x 200 mm	8.0	3.0 - 52.5 mm	0.12 - 2.07"	230N, 23.4 kgs, 50lbs
LH-OS-S-250-10	4.8 x 250 mm	9.8	3.0 - 65.0 mm	0.12 - 2.56"	
LH-OS-S-300-12	4.8 x 300 mm	11.8	3.0 - 81.0 mm	0.12 - 3.19"	
LH-OS-S-370-15	4.8 x 370 mm	14.5	3.0 - 103.5 mm	0.12 - 4.07"	540N, 55.1 kgs, 120lbs
LH-OS-HD-370-14	7.6 x 370 mm	14.5	5.0 - 103.5 mm	0.20 - 4.07"	



● **Cable Ties Position admited into 90 area**

Main Features:

- Pre-assembled 2-piece cable ties
- Cable Ties could be rotated max to 90 degree to wrap the cable
- Suggested material: Polyamide 6.6, heat stabilised (PA66HS)  
Alternative: Polyamide 6.6, high impact modified, heat stabilised (PA66HIRHS)  
(available with standard Polyamide 6.6, UV black Polyamide 6.6)
- Operation Temperature
- Heat stabilised (PA66HS): -40°C to +115°C (-40°F to +239°F)
- Polyamide 6.6, high impact modified, heat stabilised (PA66HIRHS) -40°C to +115°C (-40°F to +239°F)
- Polyamide 6.6 standard and UV-stabilised (PA66UV): -40°C to +85°C (-40°F to +185°F)

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-R90-S-200-8	4.8 x 200 mm	8.0	3.0 - 49.0 mm	0.12 - 1.93"	230N, 23.4 kgs, 50lbs
LH-R90-S-300-12	4.8 x 300 mm	11.8	3.0 - 81.0 mm	0.12 - 3.19"	



● **Twist and Cut Cable Ties**

Main Features:

- Twist and Cut, no tool needed
- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-TC-S-200-8	4.2 x 200 mm	8.0	5.0 - 50.8 mm	0.20 - 2.00"	230N, 23.4 kgs, 50lbs
LH-TC-S-280-11	4.2 x 280 mm	11.0	5.0 - 76.2 mm	0.20 - 3.00"	



● **In-Line Lock Cable Ties**

Main Features:

- For kids playground
- Nylon 6.6 material

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength
LH-LP-400-16	8.9 x 400 mm	15.7	15.0 - 115.0 mm	0.59 - 4.53"	540N, 55.1 kgs, 120lbs



● **Edge Clip Cable Ties**

Main Features:

- Pre-assembled 2-piece fixing tie with Edge Clip
- Cable tie head can be moved after bundling
- These cable ties and Edge Clip assemblies are ideal for use where holes are not acceptable or where due to temperature problems adhesives will fail. These assemblies are widely used for fixing and bundling cables, pipes and hoses within the automotive industry, harness making, panel building and electrical industry.
- Material:

Cable Ties: Polyamide 6.6, heat stabilised (PA66HS)

Foot part: Polyamide 6.6, high impact modified, heat stabilised (PA66HIRHS)

- Operation Temperature

Heat stabilised (PA66HS): -40°C to +115°C (-40°F to +239°F)

\*(available with standard Polyamide 6.6, UV black Polyamide 6.6)



Style H



Style V

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fig	Panel Thickness
LH-HEC3-S-200-8	4.8 x 200 mm	8.0	3.0 - 49.5 mm	0.12 - 1.95"	230N, 23.4 kgs, 50lbs	H	1-3 mm
LH-HEC3-S-280-11	4.8 x 280 mm	11.0	3.0 - 74.8 mm	0.12 - 2.94"		H	1-3 mm
LH-HEC3-S-360-14	4.8 x 360 mm	14.0	3.0 - 100.0 mm	0.12 - 3.94"		H	1-3 mm
LH-VEC3-S-200-8	4.8 x 200 mm	8.0	3.0 - 49.5 mm	0.12 - 1.95"		V	1-3 mm
LH-VEC3-S-280-11	4.8 x 280 mm	11.0	3.0 - 74.8 mm	0.12 - 2.94"		V	1-3 mm
LH-VEC3-S-360-14	4.8 x 360 mm	14.0	3.0 - 100.0 mm	0.12 - 3.94"		V	1-3 mm
LH-VEC6-S-200-8	4.8 x 200 mm	8.0	3.0 - 49.5 mm	0.12 - 1.95"		V	3-6 mm
LH-VEC6-S-280-11	4.8 x 280 mm	11.0	3.0 - 74.8 mm	0.12 - 2.94"		V	3-6 mm
LH-VEC6-S-360-14	4.8 x 360 mm	14.0	3.0 - 100.0 mm	0.12 - 3.94"		V	3-6 mm

Out Serration Version is available upon request, Edge Clip could be separately sold

● **Fir-Tree Cable Ties**

- Nylon 6.6 material
- Available in heat stabilised Nylon 6.6

Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Fig
LH-FT-S-210-8	4.8 x 210 mm	8.3	3.5 - 49.5 mm	0.14 - 1.95"	230N, 23.4 kgs, 50lbs	1
LH-FT-S-200-8X	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"		2
LH-FT-S-200-8S	4.8 x 200 mm	8.0	3.5 - 49.5 mm	0.14 - 1.95"		2



Fig 1



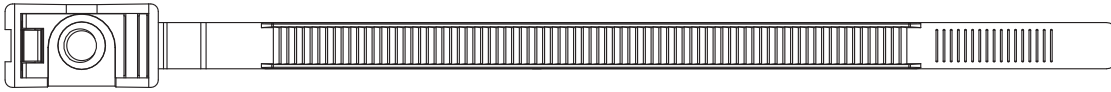
Fig 2

Item No.	Min Hole Size	Panel Thickness
LH-FT-S-210-8	6.35 mm / 0.25"	1.25 mm / 0.05" - 6.35 mm / 0.25"
LH-FT-S-200-8X	6.35 mm / 0.25"	1.25 mm / 0.05" - 7.50 mm / 0.30"
LH-FT-S-200-8S	6.35 mm / 0.25"	1.25 mm / 0.05" - 7.00 mm / 0.28"

● **Clamp Mount Cable ties**

Main Features:

- Screw in Mount
- Nylon 6.6 material

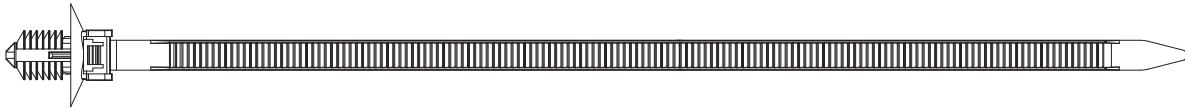


Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Screw
LH-CM-HD-180-7	7.7 x 180 mm	7.0	10.0 - 40.0 mm	0.39 - 1.57"	400N, 40.8 kgs, 88lbs	M6
LH-CM-HD-285-11	7.7 x 285 mm	11.0	12.0 - 70.0 mm	0.47 - 2.76"		

● **Umbrella Style Fir-Tree Cable Ties**

Main Features:

- Nylon 6.6 material
- Available in Heat Stabilised Material, Impact Heat Stabilised Material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Hole Size	Panel Thickness
LH-FTU-S-167-6	4.8 x 167 mm	6.6	3.0 - 35.0 mm	0.12 - 1.38"	230N, 23.4 kgs, 50lbs	6.5 mm / 0.25"	1.00 mm / 0.04" - 8.00 mm / 0.32"
LH-FTU-S-190-8	4.8 x 188 mm	7.4	3.0 - 45.0 mm	0.12 - 1.77"		6.5 mm / 0.25"	1.00 mm / 0.04" - 6.00 mm / 0.24"

● **Screw in Double Loop Mounting Cable Ties**

Main Features:

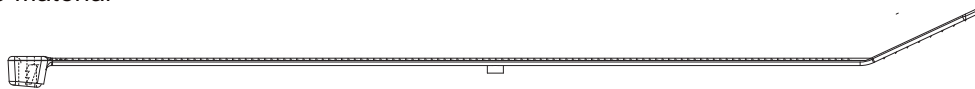
- Nylon 6.6 material
- Available in Heat Stabilised Material, Impact Heat Stabilised Material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	Hole Size
LH-DM-340-13	12.6 x 340 mm	13.4	39.0 mm	1.54 mm	667N, 68.1 Kgs, 150lbs	6.35 mm / 0.26"
LH-DM-500-20	12.6 x 500 mm	19.7	64.0 mm	2.52 mm		6.35 mm / 0.26"

● **Fixed Bundle Diameter Cable Ties**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-FB-I-150-6	3.6 x 150 mm	6.0	Fix at 23mm	Fix at 0.9"	180N, 18.3 kgs, 40lbs	21

● **Extend Head Cable Ties (Security Purpose)**

- Nylon 6.6 material



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-EXH-I-140-5	3.6 x 140 mm	5.5	3.5 - 33.0 mm	0.14 - 1.30"	180N, 18.3 kgs, 40lbs	21

● **Cable Ties Mounts Pad in Nylon**

- Material: Polyamide 6.6
- 3M adhesive is available upon special request.
- Can be screwed if without adhesive

Item No.	Width X Length	Length (in)	For Cable Tie Max	For Cable Tie Max
LH-MP-12.5-1/2	12.5 x 12.5 mm	1/2	3.6 mm	0.14"
LH-MP-20-3/4	19 x 19 mm	3/4	3.6 mm	0.14"
LH-MP-26-1	26 x 26 mm	1.0	7.6 mm	0.30"
LH-MP-30-1	28 x 28 mm	1.1	4.8 mm	0.19"
LH-MP-40-1.5	40 x 40 mm	1-1/2	9.0 mm	0.35"



● **Cable Ties Mounts Pad in ABS**

- Material: Acrylonitrile Butadiene Styren (ABS)
- 3M adhesive is available upon special request.

Item No.	Width X Length	Length (in)	For Cable Tie Max	For Cable Tie Max
LH-MPABS-20-3/4	20 x 20 mm	3/4	3.6 mm	0.14"
LH-MPABS-25-1	25 x 25 mm	1.0	4.8 mm	0.19"
LH-MPABS-30-1.2	30 x 30 mm	1-1/5	7.6 mm	0.30"
LH-MPABS-40-1.5	40 x 40 mm	1-1/2	9.0 mm	0.35"



● **Cable Ties Mount Plug**

- Material: Polyamide 6.6 + 6

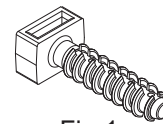


Fig 1

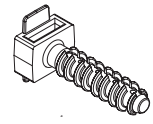


Fig 2

Item No.	Width X Length	Width X Length	For Cable Tie Max	For Cable Tie Max	Drill Hole	Fig
LH-CTP-81381	8.1 x 38.1 mm	0.32 x 1.50"	9.0 mm	0.35"	6 mm / 0.24"	1
LH-CTP-10643	10.6 x 43.0 mm	0.42 x 1.69"	9.0 mm	0.35"	8 mm / 0.31"	1
LH-CTP-10840E	10.8 x 40.0 mm	0.43 x 1.57"	9.0 mm	0.35"	8 mm / 0.31"	2
LH-CTP-108406E	10.8 x 40.6 mm	0.43 x 1.60"	9.0 mm	0.35"	8 mm / 0.31"	2

● **Screw Mounts**

- Material: Polyamide 6.6

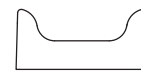


Fig 1



Fig 2

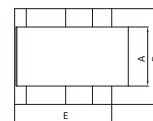
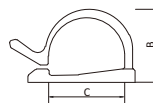


Fig 3

Item No.	Width X Length Height	Width X Length Height	For Cable Tie Max	Screw	Fig
LH-SC-M3S	16.0 x 10.7 x 7.0	0.63 x 0.42 x 0.28"	3.6 mm / 0.14"	#6 (M3)	1
LH-SC-M3	17.6 x 12.9 x 8.3	0.69 x 0.51 x 0.33"	4.8 mm / 0.19"	#6 (M3)	1
LH-SC-M4	21.3 x 15.3 x 10.5	0.84 x 0.60 x 0.41"	7.6 mm / 0.30"	#8 (M4)	1
LH-SC-M5S	21.9 x 10.0 x 11.0	0.86 x 0.39 x 0.43"	7.6 mm / 0.30"	#10 (M5)	2
LH-SC-M5	21.3 x 15.3 x 10.5	0.84 x 0.60 x 0.41"	7.6 mm / 0.30"	#10 (M5)	1
LH-SC-M5X	25.8 x 10.1 x 11.5	1.02 x 0.40 x 0.45"	9.0 mm / 0.35"	#10 (M5)	1
LH-SC-M5T	23.0 x 13.6 x 17.5	17.5 x 0.91 x 0.54"	9.0 mm / 0.35"	#10 (M5)	3

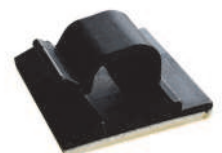
● **Adhesive Cable Clamp**

- Material: Polyamide 6.6
- 3M adhesive is available upon special request.



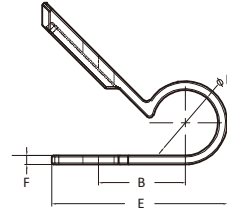
**Adhesive  
Cable Clamp**

Item No.	Dimensions (mm)					Dimensions (in)					Max Dia
	A	B	D	D	E	A	B	D	D	E	
LH-CC-06-1/4	9.5	7.8	6.0	18.5	18.5	0.37	0.31	0.24	0.73	0.73	5 mm / 0.20"
LH-CC-12-1/2	12.0	11.5	11.9	26.0	26.0	0.47	0.45	0.47	1.02	1.02	8 mm / 0.31"
LH-CC-12-3/4	15.4	17.1	18.1	25.0	26.0	0.61	0.67	0.71	0.98	1.02	16 mm / 0.63"



● **Nylon P Clamp**

- Designed to hold cables, tubes, and components in domestic appliance, electronics and electric apparatus generally.
- Interior edges are radiused to protect cable insulation
- To apply, just clamp down on loosen cables and screw it to chassis.
- Material: Polyamide 6.6
- Flammability of raw material : UL 94 - V2
- Humidity absorption: 2,7% - 2,8% (23°C -50%RH)
- Working (Operation) Temperature: -40°C - + 85°C (-40°F - + 185°F)
- Min Installation Temperature: -10°C (14°F)
- Max sustainable temperature for short time: +110°C (230°F)
- Good resistance to bases, oils, greases, oil derivates, chloride solvents. Limited resistance to acids. Not resistant to phenols.
- REACH, ROHS, PAHS Compliance.



Item No.	A	B	C	Bundle Dia.	E	F	A	B	C	Bundle Dia.	E	F
				D						D		
LH-PC-1/8	4.0 mm	8.0 mm	9.6 mm	3.0 mm	16.9 mm	1.2 mm	0.16"	0.31"	0.38"	0.12"	0.67"	0.05"
LH-PC-3/16	4.0 mm	9.2 mm	9.6 mm	5.3 mm	18.5 mm	1.2 mm	0.16"	0.36"	0.38"	0.21"	0.73"	0.05"
LH-PC-1/4	4.0 mm	10.4 mm	10.1 mm	6.8 mm	20.0 mm	1.2 mm	0.16"	0.41"	0.40"	0.27"	0.79"	0.05"
LH-PC-5/16	4.0 mm	11.2 mm	10.0 mm	8.4 mm	22.6 mm	1.2 mm	0.16"	0.44"	0.39"	0.33"	0.89"	0.05"
LH-PC-3/8	5.0 mm	12.5 mm	12.3 mm	10.8 mm	26.6 mm	1.4 mm	0.20"	0.49"	0.48"	0.43"	1.05"	0.06"
LH-PC-1/2	5.0 mm	14.8 mm	12.1 mm	13.8 mm	30.3 mm	1.4 mm	0.20"	0.58"	0.48"	0.54"	1.19"	0.06"
LH-PC-5/8	5.0 mm	15.8 mm	12.4 mm	17.4 mm	32.6 mm	1.4 mm	0.20"	0.62"	0.49"	0.69"	1.28"	0.06"
LH-PC-3/4	5.0 mm	18.0 mm	11.8 mm	19.9 mm	37.3 mm	1.4 mm	0.20"	0.71"	0.46"	0.78"	1.47"	0.06"
LH-PC-7/8	5.0 mm	19.5 mm	12.0 mm	23.6 mm	40.4 mm	1.4 mm	0.20"	0.77"	0.47"	0.93"	1.59"	0.06"
LH-PC-1	5.0 mm	21.0 mm	12.0 mm	27.2 mm	43.4 mm	1.4 mm	0.20"	0.83"	0.47"	1.07"	1.71"	0.06"
LH-PC-1-1/4	5.0 mm	26.0 mm	12.0 mm	33.8 mm	52.3 mm	1.6 mm	0.20"	1.02"	0.47"	1.33"	2.06"	0.06"
LH-PC-1-1/2	5.0 mm	27.8 mm	12.5 mm	41.9 mm	58.3 mm	1.5 mm	0.20"	1.09"	0.49"	1.65"	2.30"	0.06"

**Cable Ties  
Tool**

● **Cable Ties Tension Tool**

Please choose a right tool upon your demand



Item No.: TSG01



Item No.: TSG02



Item No.: TSG03

Economy one, for ties up to 4.8mm (50lb)    Suggested one, for ties up to 4.8mm (50lb)    For Heavy Duty Ties up to 9.0mm (175lb)

● **Ball Lock Stainless Steel Cable Ties**

- Designed to hold cables, tubes, and components in domestic appliance, electronics and electric
- Self-locking head design speeds installation and locks into place at any length along tie body
- Provides a strong, durable method of cable bundling
- Can be used in a wide range of indoor, outdoor, and underground (including direct burial)
- Smooth surfaces and rounded edges assures cable protection and worker safety
- Provide the ultimate support for network cables
- Material:
  - 304 stainless steel for general-purpose applications
  - 316 stainless steel for the most corrosive environments
- Working (Operation) Temperature: -80°C - + 538°C (-112°F - + 1000°F)
- Min Installation Temperature: -60°C (-76°F)
- Any Length is available
- Water absorption: none
- Flammability: non-flammable
- Ultraviolet resistance: excellent, Chemical resistance: excellent
- UL (Underwriters Laboratories) : File E258930 based newest standard UL62275
- EN45545-2 approved



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-SS-S-125-5	4.6 x 125 mm	5.0	15.0 - 38.0 mm	0.59 - 1.50"	890N, 90.8 kgs, 200lbs	2
LH-SS-S-150-6	4.6 x 150 mm	6.0	15.0 - 46.0 mm	0.59 - 1.81"		
LH-SS-S-200-8	4.6 x 200 mm	8.0	15.0 - 61.9 mm	0.59 - 2.44"		
LH-SS-S-260-10	4.6 x 260 mm	10.0	15.0 - 81.0 mm	0.59 - 3.19"		
LH-SS-S-290-11	4.6 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"		
LH-SS-S-360-14	4.6 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SS-S-520-21	4.6 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SS-S-680-27	4.6 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SS-S-840-33	4.6 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		
LH-SS-H-200-8	7.9 x 200 mm	8.0	15.0 - 61.9 mm	0.59 - 2.44"	1600N, 163 kgs, 350lbs	2
LH-SS-H-260-10	7.9 x 260 mm	10.0	15.0 - 81.0 mm	0.59 - 3.19"		
LH-SS-H-290-11	7.9 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"		
LH-SS-H-360-14	7.9 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SS-H-520-21	7.9 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SS-H-680-27	7.9 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SS-H-840-33	7.9 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		
LH-SS-EH-290-11	12 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"	2300N, 234 kgs, 500lbs	2
LH-SS-EH-360-14	12 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SS-EH-520-21	12 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SS-EH-680-27	12 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SS-EH-840-33	12 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		

● **Stainless Steel Cable Ties Mounts**

- Material: 316 Grade Stainless Steel
- A durable and strong cable tie mount, designed to compliment stainless steel cable ties. Available with either an M4 or M6 fixing hole to accommodate a wide range of fixing methods. We recommend the use of stainless steel

**Steel Ties  
Mount Base**

Item No.	Length	Width	Height	Length	Width	Height	Fixing Hoe	Max Tie Width
LH-SSTM4	29.2 mm	15.0 mm	5.2 mm	1.15"	0.59"	0.20"	4.2 mm / 0.17"	10.0 mm / 0.39"
LH-SSTM6	29.2 mm	15.0 mm	5.2 mm	1.15"	0.59"	0.20"	6.2mm / 0.24"	10.0 mm / 0.39"



● **Ball Lock Coated Stainless Steel Cable Ties**

- Self-locking head design speeds installation and locks into place at any length along tie body
- Provides a strong, durable method of cable bundling
- Can be used in a wide range of indoor, outdoor, and underground (including direct burial)
- Smooth surfaces and rounded edges assures cable protection and worker safety
- Provide the ultimate support for network cables
- Material:
  - 304 stainless steel for general-purpose applications
  - 316 stainless steel for the most corrosive environments
  - Coated with Polyester for insulation purpose, and a better outdoor application
- Working (Operation) Temperature: -40°C - + 150°C (-40°F - + 302°F)
- Min Installation Temperature: -40°C (-40°F)
- Any Length is available
- Water absorption: none
- Flammability: non-flammable
- Ultraviolet resistance: excellent, Chemical resistance: excellent
- UL (Underwriters Laboratories) : File E258930 based newest standard UL62275
- Available color: Black, Yellow, Green, Red, Blue, White



Item No.	Width X Length	Length (in)	Bundle Diameter	Bundle Diameter	Tensile Strength	UL Type
LH-SSC-S-125-5	4.6 x 125 mm	5.0	15.0 - 38.0 mm	0.59 - 1.50"	890N, 90.8 kgs, 200lbs	21
LH-SSC-S-150-6	4.6 x 150 mm	6.0	15.0 - 46.0 mm	0.59 - 1.81"		
LH-SSC-S-200-8	4.6 x 200 mm	8.0	15.0 - 61.9 mm	0.59 - 2.44"		
LH-SSC-S-260-10	4.6 x 260 mm	10.0	15.0 - 81.0 mm	0.59 - 3.19"		
LH-SSC-S-290-11	4.6 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"		
LH-SSC-S-360-14	4.6 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SSC-S-520-21	4.6 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SSC-S-680-27	4.6 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SSC-S-840-33	4.6 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		
LH-SSC-H-200-8	7.9 x 200 mm	8.0	15.0 - 61.9 mm	0.59 - 2.44"	1600N, 163 kgs, 350lbs	21
LH-SSC-H-260-10	7.9 x 260 mm	10.0	15.0 - 81.0 mm	0.59 - 3.19"		
LH-SSC-H-290-11	7.9 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"		
LH-SSC-H-360-14	7.9 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SSC-H-520-21	7.9 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SSC-H-680-27	7.9 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SSC-H-840-33	7.9 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		
LH-SSC-EH-290-11	12 x 290 mm	11.5	15.0 - 90.6 mm	0.59 - 3.57"	2300N, 234 kgs, 500lbs	21
LH-SSC-EH-360-14	12 x 360 mm	14.0	15.0 - 112.8 mm	0.59 - 4.44"		
LH-SSC-EH-520-21	12 x 520 mm	20.5	15.0 - 163.8 mm	0.59 - 6.45"		
LH-SSC-EH-680-27	12 x 680 mm	27.0	15.0 - 214.8 mm	0.59 - 8.46"		
LH-SSC-EH-840-33	12 x 840mm	33.0	15.0 - 265.7 mm	0.59 - 10.46"		

● **Stainless Steel Cable Ties Maker**

- Material: 304 / 316 Grade Stainless Steel

**Steel Ties  
Marker**

Item No.	Length	Width	Length	Width	Max Tie Width
LH-SSM-9.5	90.0	9.5	3.54"	0.37"	4.6 mm / 0.18"
LH-SSM-19	90.0	19	3.54"	0.75"	4.6 mm / 0.18"



Item No.: TSSTG01

Item No.: TSSTG02

for SS tie up to 7.9mm for SS tie up to 12mm

● Nylon Cable ties Promotion Pack

• Material: Polyamide 6.6

• Tube Size: Diameter 11.5 cm (4.52"), Height 31cm (12,0"), Tube Material: PET, Cap Material: PP

Item No.	Contents		Color	Quantity	Total
ZMX-A650	2.5 x 100 mm	4" 18lb	Natural	100	650
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	4.8 x 200 mm	8" 50lb	Natural	300	
	4.8 x 280mm	11" 50lb	Natural	50	

Item No.	Contents		Color	Quantity	Total
ZMX-A850	2.5 x 100 mm	4" 18lb	Natural	100	850
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	
	4.8 x 200 mm	8" 50lb	Natural	300	
	4.8 x 280mm	11" 50lb	Natural	50	

Item No.	Contents		Color	Quantity	Total
ZMX-A1000	2.5 x 100 mm	4" 18lb	Natural	200	1000
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	
	4.8 x 200 mm	8" 50lb	Natural	350	
	4.8 x 280mm	11" 50lb	Natural	50	

Item No.	Contents		Color	Quantity	Total
ZMX-A1200	2.5 x 100 mm	4" 18lb	Natural	200	1200
	2.5 x 100 mm	4" 18lb	Black	200	
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	
	4.8 x 200 mm	8" 50lb	Natural	350	
	4.8 x 280mm	11" 50lb	Natural	50	



• Tube Size: Diameter 11.5 cm (4.52"), Height 21cm (8,0"), Tube Material: PET, Cap Material: PP

Item No.	Contents		Color	Quantity	Total
ZMX-B500	2.5 x 100 mm	4" 18lb	Earth Color	100	500
	2.5 x 100 mm	4" 18lb	Pink	100	
	4.8 x 200 mm	8" 50lb	Fl. Blue	100	
	4.8 x 200 mm	8" 50lb	Fl. Green	100	
	4.8 x 200 mm	8" 50lb	Fl. Orange	100	

Item No.	Contents		Color	Quantity	Total
ZMX-B700	2.5 x 100 mm	4" 18lb	Natural	200	700
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	3.6 x 150 mm	6" 40lb	Natural	100	
	4.8 x 200 mm	8" 50lb	Natural	200	



• Tube Size: Diameter 10.0 cm (3.84"), Height 21cm (8,0"), Tube Material: PET, Cap Material: PP

Item No.	Contents		Color	Quantity	Total
ZMX-B500H	2.5 x 100 mm	4" 18lb	Natural	100	500
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	3.6 x 150 mm	6" 40lb	Natural	100	
	4.8 x 200 mm	8" 50lb	Natural	100	

Item No.	Contents		Color	Quantity	Total
ZMX-B600H	2.5 x 100 mm	4" 18lb	Natural	150	600
	2.5 x 100 mm	4" 18lb	Black	150	
	3.6 x 200 mm	8" 40lb	Natural	100	
	3.6 x 200 mm	8" 40lb	Black	100	
	3.6 x 280 mm	11" 40lb	Natural	50	
	3.6 x 280 mm	11" 40lb	Black	50	



• Double blister box size (ZMX-E1200): 23cm x 19cm x 8.5cm (9,05 x 7,48 x 3,45"), Material: PET

• Double blister box size (ZMX-E1300): 40cm x 23cm x 9.2cm (15,7 x 9,05 x 3,60"), Material: PET

Item No.	Contents		Color	Quantity	Total
ZMX-E1200	2.5 x 100 mm	4" 18lb	Natural	200	1200
	2.5 x 100 mm	4" 18lb	Red	200	
	2.5 x 100 mm	4" 18lb	Green	200	
	2.5 x 100 mm	4" 18lb	Blue	200	
	2.5 x 100 mm	4" 18lb	Yellow	200	
	2.5 x 150 mm	6" 18lb	Natural	100	
	3, 6 x 200 mm	8" 40lb	Natural	100	

Item No.	Contents		Color	Quantity	Total
ZMX-E1300	2.5 x 100 mm	4" 18lb	Natural	200	1300
	2.5 x 100 mm	4" 18lb	Black	200	
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	
	3.6 x 150 mm	6" 40lb	Natural	100	
	4.8 x 200 mm	8" 50lb	Natural	300	
4.8 x 280 mm	11" 50lb	Natural	100		



• Double blister box size: 44cm x 30cm x 4.8cm (17,3 x 11,8 x 1,89"), Material: PET

Item No.	Contents		Color	Quantity	Total
ZMX-E1000	2.5 x 100 mm	4" 18lb	Fl. Blue	300	1000
	2.5 x 100 mm	4" 18lb	Green	300	
	3.6 x 150 mm	6" 40lb	Yellow	150	
	3.6 x 180 mm	7" 40lb	Red	100	
	3.6 x 200 mm	8" 40lb	Purple	80	
	4.8 x 250 mm	10" 50lb	Black	50	
	7.6 x 300 mm	12" 120lb	Natural	20	





● Nylon Cable ties Promotion Pack

• Material: Polyamide 6.6

• Tube Size: Diameter 7.5 cm (2/95"), Height 31cm (12,0"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-A225	2.5 x 100 mm	4" 18lb	Natural	50	225
	2.5 x 100 mm	4" 18lb	Purple	50	
	4.8 x 200 mm	8" 50lb	Natural	25	
	4.8 x 200 mm	8" 50lb	Fl.Orange	25	
	4.8 x 200 mm	8" 50lb	Pink	25	
	4.8 x 200 mm	8" 50lb	Fl. Green	25	
	4.8 x 280mm	11" 50lb	Natural	25	

• Tube Size: Diameter 7.5 cm (2/95"), Height 21cm (8,0"),  
Tube Material: ET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-B500E	2.5 x 100 mm	4" 18lb	Natural	100	500
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	3.6 x 150 mm	6" 40lb	Natural	100	
	3.6 x 200 mm	8" 40lb	Natural	100	

• Tube Size: Diameter 10.0 cm (3,94"), Height 31cm (12,0"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-A600H	2.5 x 100 mm	4" 18lb	Natural	150	600
	2.5 x 100 mm	4" 18lb	Black	150	
	4.8 x 200 mm	8" 50lb	Natural	100	
	4.8 x 200 mm	8" 50lb	Black	100	
	4.8 x 280 mm	11" 50lb	Natural	50	
	4.8 x 280 mm	11" 50lb	Black	50	

Item No.	Contents		Color	Quantity	Total
ZMX-A600HE	2.5 x 100 mm	4" 18lb	Natural	150	600
	2.5 x 100 mm	4" 18lb	Black	150	
	3.6 x 200 mm	8" 40lb	Natural	100	
	3.6 x 200 mm	8" 40lb	Black	100	
	3.6 x 280 mm	11" 40lb	Natural	50	
	3.6 x 280 mm	11" 40lb	Black	50	

• Tube Size: Diameter 10,5 cm (4,10"), Height 27cm (10,6"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-B650	2.5 x 100 mm	4" 18lb	Natural	100	650
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	4.8 x 200 mm	8" 50lb	Natural	300	
	4.8 x 280mm	11" 50lb	Natural	50	

Item No.	Contents		Color	Quantity	Total
ZMX-B650E	2.5 x 100 mm	4" 18lb	Natural	100	650 Economy
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	3.6 x 200 mm	8" 40lb	Natural	300	
	3.6 x 280mm	11" 40lb	Natural	50	

• Tube Size: Diameter 5.5 cm (2,15"), Height 21cm (8,0"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-B100	2.5 x 100 mm	4" 18lb	Natural	50	100
	3.6 x 150 mm	6" 40lb	Natural	25	
	4.8 x 200 mm	8" 50lb	Natural	25	

• Tube Size: Diameter 13,0 cm (5,1"), Height 10,5cm (4,1"),  
Tube Material: PVC



Item No.	Contents		Color	Quantity	Total
ZMX-D1000	2.5 x 100 mm	4" 18lb	Natural	100	1000
	2.5 x 100 mm	4" 18lb	Black	100	
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	
	2.5 x 100 mm	4" 18lb	Gray	100	
	2.5 x 100 mm	4" 18lb	Earth	100	
	2.5 x 100 mm	4" 18lb	Purple	100	
	2.5 x 100 mm	4" 18lb	Pink	100	

• Tube Size: Diameter 10,0 cm (3,94"), Height 21cm (8,0"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-B500HC	2.5 x 100 mm	4" 18lb	Fl. Blue	75	500
	2.5 x 100 mm	4" 18lb	Purple	75	
	2.5 x 100 mm	4" 18lb	Orange	75	
	2.5 x 100 mm	4" 18lb	Pink	75	
	4.8 x 200 mm	8" 50lb	Fl. Blue	50	
	4.8 x 200 mm	8" 50lb	Purple	50	
	4.8 x 200 mm	8" 50lb	Orange	50	
	4.8 x 200 mm	8" 50lb	Pink	50	

• Tube Size: Diameter 7.5 cm (2,95"), Height 15cm (6,0"),  
Tube Material: PET, Cap Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-D400	2.5 x 100 mm	4" 18lb	Natural	100	400
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	3.6 x 150 mm	6" 40lb	Natural	100	

● Nylon Cable ties Promotion Pack

• Material: Polyamide 6.6

• Box Size: 31cm x 14.5cm x 23.5 cm (12.2" x 5.7" x 0.93")  
 Tube Material: PP



Item No.	Contents		Color	Quantity	Total
ZMX-F1500	2.5 x 100 mm	4" 18lb	Natural	200	1500
	2.5 x 100 mm	4" 18lb	Black	200	
	3.6 x 150 mm	6" 40lb	Natural	100	
	3.6 x 150 mm	6" 40lb	Black	100	
	4.8 x 200 mm	8" 50lb	Natural	200	
	4.8 x 200 mm	8" 50lb	Black	200	
	4.8 x 300mm	11.8" 50lb	Natural	100	
	4.8 x 300mm	11.8" 50lb	Black	100	
	4.8 x 370 mm	14.5" 50lb	Natural	100	
	4.8 x 370 mm	14.5" 50lb	Black	100	
	7.6 x 370 mm	14.5" 120lb	Natural	50	
	7.6 x 370 mm	14.5" 120lb	Black	50	

• Tube Size: Diameter 7.5cm (2.95"), Height 11cm (4.0")  
 Tube Material: PVC



Item No.	Contents		Color	Quantity	Total
ZMX-D500	2.5 x 100 mm	4" 18lb	Natural	100	500
	2.5 x 100 mm	4" 18lb	Red	100	
	2.5 x 100 mm	4" 18lb	Green	100	
	2.5 x 100 mm	4" 18lb	Blue	100	
	2.5 x 100 mm	4" 18lb	Yellow	100	

• Zip Lock Gusset Bag  
 Can be printed or labelled



Item No.	Contents		Color	Quantity	Total
ZMX-G500	2.5 x 100 mm	4" 18lb	FI Blue	60	500
	2.5 x 100 mm	4" 18lb	FI Green	60	
	2.5 x 100 mm	4" 18lb	Orange	60	
	2.5 x 100 mm	4" 18lb	FI Purple	60	
	2.5 x 100 mm	4" 18lb	FI Yellow	60	
	4.8 x 200 mm	8" 50lb	FI Blue	50	
	4.8 x 200 mm	8" 50lb	FI Green	50	
	4.8 x 200 mm	8" 50lb	Orange	50	
	4.8 x 200 mm	8" 50lb	FI Purple	50	

Item No.	Contents		Color	Quantity	Total
ZMX-G650	2.5 x 100 mm	4" 18lb	Natural	100	650
	2.5 x 100 mm	4" 18lb	Red	50	
	2.5 x 100 mm	4" 18lb	Green	50	
	2.5 x 100 mm	4" 18lb	Blue	50	
	2.5 x 100 mm	4" 18lb	Yellow	50	
	4.8 x 200 mm	8" 50lb	Natural	300	
	4.8 x 280mm	11" 50lb	Natural	50	

• Tube Size: Diameter 7.5cm (2.95"), Height 21cm (8.0")  
 Tube Material: PVC



Item No.	Contents		Color	Quantity	Total
ZMX-B500	2.5 x 100 mm	4" 18lb	Natural	200	400
	3.6 x 150 mm	6" 40lb	Natural	100	
	4.8 x 200 mm	8" 50lb	Natural	100	