



Sustainable Solutions

MADE FOR REAL[®]

Wire friendly. Earth friendly.

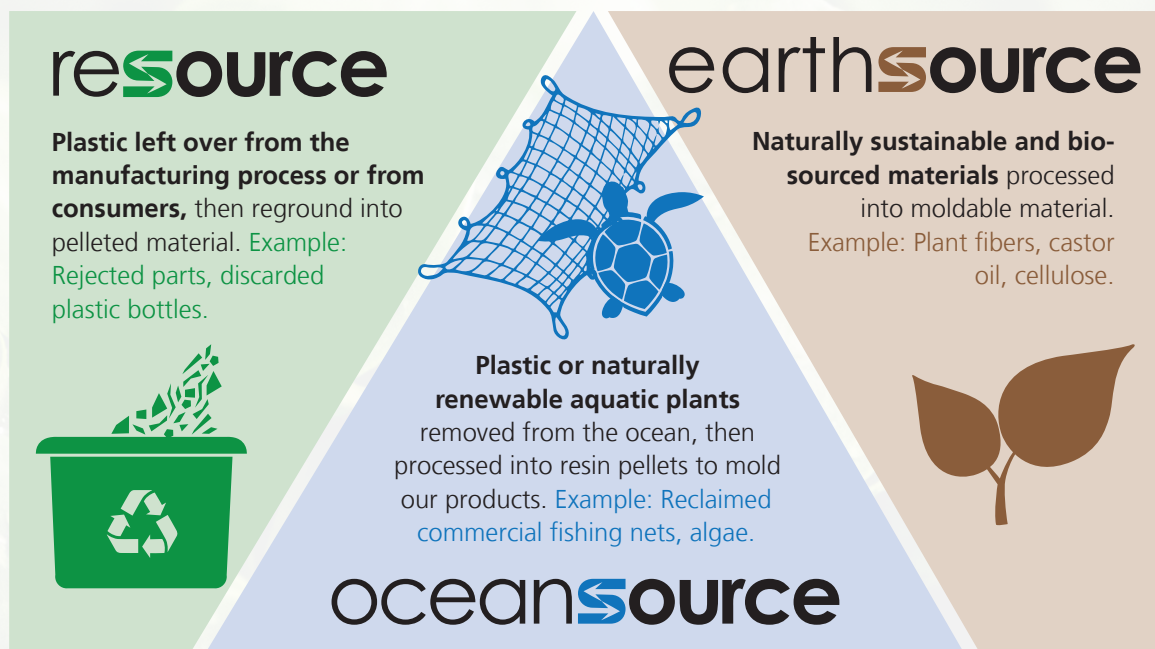
Sustainable wire management solutions from HellermannTyton

Introducing **Source**, HellermannTyton's family of wire management products sourced from sustainable resources. Developed to assist manufacturers and installers in their pursuit of carbon neutrality.

Sustainable products from a plastics manufacturer? **Stay with us.**

Meet the Source family

Take a closer look at HellermannTyton's **Source** – a brighter future supported by sustainable processes, materials and solutions.



Our **Source** products are made from reclaimed industrial resins, natural fibers and ocean plastics. Better for the earth. Perfect for a range of industrial applications.

Materials are at the heart of everything we produce. We match the right material to the proper part and application to optimize performance and longevity. And now, to support and extend the life of the planet.

We've also practiced a "Sustainable by Design" philosophy for many years. This product subcategory features parts with reusable designs – like releasable cable ties – and longer lasting materials that extend the life of products and minimize waste, such as our exclusive PVDF solar ties.

How it started

We've been practicing sustainability for many years. For instance, plastic parts that don't leave the factory are reground and a percentage is mixed with virgin material.

The new parts meet the same stringent specifications. Regrinding post-industrial resin keeps it out of landfills and supports our mission for a circular economy.



CASE STUDY

From the ocean to a Bronco Sport

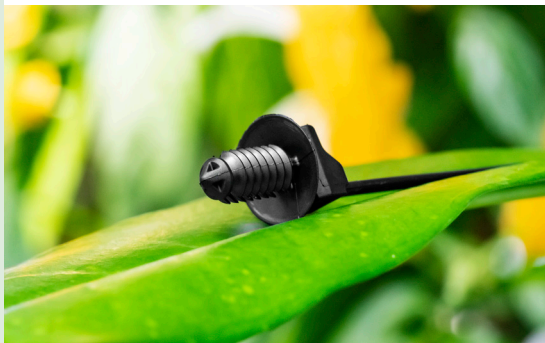
Ford recently became the first auto manufacturer to use 100 percent recycled ocean plastics to make a car part. One guess who Ford partnered with to bring the part to life.

The raw material comes from abandoned fishing nets, which are processed and sold as repurposed PA6.

It arrived pre-ground and tests showed its performance was on-par with standard PA6. HellermannTyton produced the first run of the component – a wiring harness mounting fastener for the back seat of the Bronco Sport – in September 2021.

Ford and HellermannTyton share the drive for a more sustainable future. The significance of this project wasn't lost

on the industry. The clip took first place in the 2021 SPE Automotive Innovation Awards competition, environmental category.



How it continues

A cable tie made from 100 percent reground PA66 plastic. A harness clamp derived from algae. As we look over the horizon at what we can create for our customers, we see we're only at the beginning of that journey.

We're excited to be the industry's trailblazer in sustainable wire management solutions.

Nothing leaves before it passes the test

All this opportunity to clean up discarded plastics, explore natural alternatives and reduce waste is exciting news. Of course, we wouldn't do it unless the end product measured up to our reputation for durable, highly engineered products.

We subject our sustainable solutions to the same rigorous testing and validation methodologies we've always performed. No compromises. Partner with HellermannTyton and you never have to sacrifice performance for sustainability.

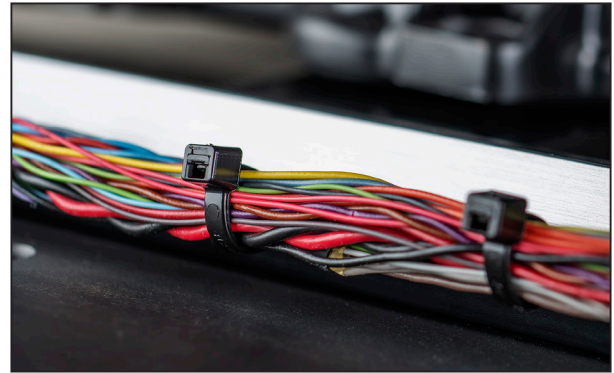


Check out our videos and more information about these products.

Standard Cable Ties

ReSource Sustainable Cable Tie

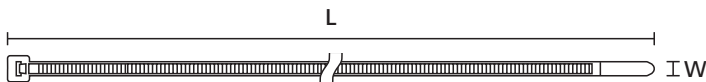
Part of our sustainable line of products, the ReSource product family features solutions made from excess plastic left over from the manufacturing process or from consumers. This T-Series cable tie is made from 100 percent postindustrial recycled plastic. It features inside serrations to provide a positive hold on wire and cable bundles. The head design guarantees high tensile strength and a low insertion force. The bent tail design allows quick and simple installations by hand. For high-volume applications, tensioning tools are available to ensure consistent and safe installation.



Features and Benefits

- This sustainable option in postindustrial recycled material offers the same performance level as our PA66HIRHS products.
- The ReSource family of products helps companies meet their sustainability goals.
- Inside serration for a strong grip onto bundles.
- Easy application either manually or with a tensioning tool.
- Bent tail allows for simpler insertion.

MATERIAL	Polyamide 6.6 recycled, high impact modified, heat stabilized (PA66HIRHS(REC100))
Operating Temperature	-40°F to +230°F (-40°C to +110°C)
Flammability	UL 94 HB



PART NO.	TYPE	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Bundle Diameter in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
111-02590	T50R	50.0 (225.0)	8.0 (202.0)	2.0 (50.0)	0.2 (4.6)	Black	1000

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Fir Tree Mount Cable Ties

ReSource Sustainable Fir Tree Mount Cable Tie

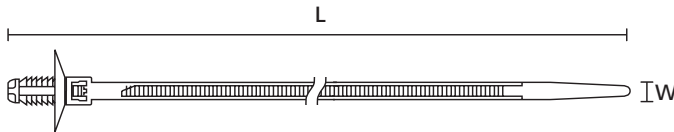
Part of our sustainable line of products, the ReSource product family features solutions made from excess plastic left over from the manufacturing process or from consumers. This fir tree mount is made from 100 percent postindustrial recycled plastic. It provides a secure grip in a mounting hole. The fir tree provides a low push-in force and high pull-out resistance. The mount can slide along the cable tie to adjust orientation as needed. The mount is sold as an assembly with the cable tie.

Features and Benefits

- This sustainable option in postindustrial recycled material offers the same performance level as our PA66HIRHS products.
- The ReSource family of products helps companies meet their sustainability goals.
- All-in-one bundling and fastening solution reduces costs and assembly time.
- Fir tree provides low insertion effort yet demonstrates high extraction resistance.



MATERIAL	Polyamide 6.6 recycled, high impact modified, heat stabilized (PA66HIRHS(REC100))
Operating Temperature	-40°F to +230°F (-40°C to +110°C)
Flammability	UL 94 HB



PART NO.	TYPE	Min. Mounting Hole Dia. in. (mm)	Max. Mounting Hole Dia. in. (mm)	Length (L) in. (mm)	Min. Tensile Strength lbs. (N)	Max. Bundle Diameter in. (mm)	Panel Thickness in. (mm)	Color	Pkg. Qty.
156-03973	T50RFT6.5SDLGSET	0.24 (6.10)	0.26 (6.70)	8.00 (202.00)	50.00 (225.00)	1.97 (50.00)	0.02 - 0.49 (0.60 - 12.50)	Black	2000
157-04100	T50SOSFT6.5LG-E4	0.24 (6.10)	0.27 (6.90)	6.60 (167.90)	50.00 (225.00)	1.38 (35.00)	0.02 - 0.32 (0.60 - 8.30)	Black	4000
157-04101	T50ROSFTOVALU	0.24 (6.20)	0.51 (13.00)	8.60 (219.00)	50.00 (225.00)	1.97 (50.00)	0.02 - 0.27 (0.60 - 6.75)	Black	3000
156-03218	T50RSADFTOVAL-SET	0.24 (6.20)	0.51 (13.00)	8.00 (202.00)	50.00 (225.00)	1.97 (50.00)	0.02 - 0.24 (0.60 - 6.00)	Black	3000

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Screw Mount Cable Ties

ReSource Sustainable Screw Mount Cable Tie

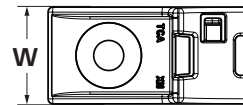
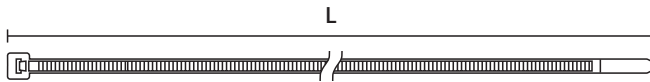
Part of our sustainable line of products, the ReSource product family features solutions made from excess plastic left over from the manufacturing process or from consumers. This cable tie mount is made from 100 percent postindustrial recycled plastic. It is secured with a mechanical fastener and includes an anti-rotation pin that keeps the mount and harness assembly in position while torquing the bolt or nut. It provides an attachment point for securing and routing a single bundle. The mount provides the highest level of fastening for critical cable security.



Features and Benefits

- This sustainable option in postindustrial recycled material offers the same performance level as our PA66HIRHS products.
- The ReSource family of products helps companies meet their sustainability goals.
- Assembly withstands vibrations and displacement forces.
- Metal bushing accommodates high-torque tightening.

MATERIAL	Polyamide 6.6 recycled, high impact modified, heat stabilized (PA66HIRHS(REC100))
Operating Temperature	-40°F to +230°F (-40°C to +110°C)
Flammability	UL 94 HB



PART NO.	TYPE	Mounting Screw Type	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Bundle Diameter in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
156-03972	T50RCPCM67DTSET	1/4 (M6) Screw	50.00 (225.00)	8.00 (202.00)	1.97 (50.00)	0.79 (20.00)	Black	1000

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Stud Mount Cable Ties

ReSource Sustainable Stud Mount Cable Tie

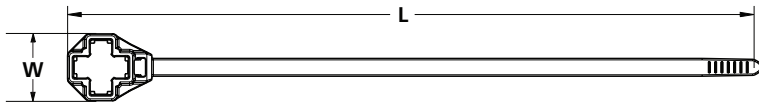
Part of our sustainable line of products, the ReSource product family features solutions made from excess plastic left over from the manufacturing process or from consumers. This one-piece mounting tie is made from 100 percent postindustrial recycled plastic. It offers a complete solution by both bundling cable and at the same time providing a mounting solution. HellermannTyton's one-piece mounting tie offers the ideal combination of high specification materials and superior design to suit the mounting and bundling needs of complex applications.

Features and Benefits

- This sustainable option in postindustrial recycled material offers the same performance level as our PA66HIRHS products.
- The ReSource family of products helps companies meet their sustainability goals.
- Low-profile head allows mounts to stack, providing added mounting versatility from a single stud.
- Four-pawl, three-tooth design delivers outstanding stud retention to keep bundles secure.



MATERIAL	Polyamide 6.6 recycled, high impact modified, heat stabilized (PA66HIRHS(REC100))
Operating Temperature	-40°F to +230°F (-40°C to +110°C)
Flammability	UL 94 HB



PART NO.	TYPE	Stud Dia. in. (mm)	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Bundle Diameter in. (mm)	Width (W) in. (mm)	Material	Color	Pkg. Qty.
157-04102	T80ROSLPSB5-6U	0.20, 0.24 (5.0), (6.0)	80.0 (355.0)	8.2 (208.3)	1.97 (50.0)	0.6 (14.2)	PA66HIRHS(REC100)	Black	2500

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Standard Cable Ties

EarthSource Sustainable Cable Tie

Part of our sustainable line of products, the EarthSource product family features solutions made from abundant plant fibers and other natural elements. This inside-serrated cable tie is manufactured from Polyamide 11, which is 100 percent bio-based from sustainable castor oil plants. The material provides excellent UV, chemical and moisture resistance to allow for a longer lifespan in outdoor use. It is recommended for applications exposed to metal oxides. The head design guarantees high tensile strength, as well as a low insertion force. Tensioning tools are available to ensure consistent and safe installation.



Features and Benefits

- This sustainable product's material is sourced from natural castor oil and offers the same performance level as nylon products.
- The EarthSource family of products helps companies meet their sustainability goals.
- Nylon 11 cable ties provide excellent resistance to UV, chemical and moisture-sensitive environments.
- Inside serrations and smooth edges allow for a strong grip on cables and wire bundles without damaging them.

MATERIAL	Polyamide 11 (PA11)	Polyamide 11, UV-resistant (PA11UV)
Operating Temperature	-40°F to +221°F (-40°C to +105°C)	
Flammability	UL 94 V-2	UL 94 HB



PART NO.	TYPE	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Bundle Diameter in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
111-00884	T40S	40.0 (130.0)	6.0 (153.0)	1.5 (37.0)	0.1 (3.5)	Translucent	100
111-01266	GL300	56.0 (250.0)	11.9 (302.3)	3.2 (80.0)	0.2 (4.8)	Black	100

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Screw Mount Cable Ties

OceanSource Sustainable Screw Mount Cable Tie

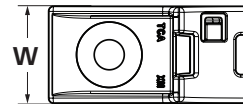
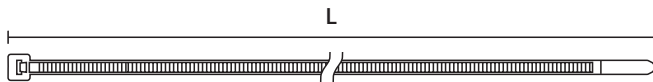
Part of our sustainable line of products, the OceanSource product family features solutions made from recycled plastic or renewable sea byproducts, such as algae removed from the ocean. The plastic in this cable tie mount is made from 100 percent reclaimed commercial fishing nets. The mount is secured with a mechanical fastener and includes an anti-rotation pin that keeps the mount and harness assembly in position while torquing the bolt or nut. It provides an attachment point for securing and routing a single bundle. The mount provides the highest level of fastening for critical cable security.

Features and Benefits

- This sustainable product's material is sourced from discarded commercial fishing nets and offers the same performance level as nylon products.
- The OceanSource family of products helps companies meet their sustainability goals.
- Robust assembly withstands vibrations and displacement forces.
- Metal bushing accommodates high tightening torque.



MATERIAL	Polyamide 6 (PA6), Polyamide 6.6 high impact modified, heat and UV stabilized (PA66HIRHSUV)
Operating Temperature	-40°F to +221°F (-40°C to +105°C)
Flammability	UL 94 HB



PART NO.	TYPE	Mounting Screw Type	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Bundle Diameter in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
156-04084	T30RLPCPCM6TSSET	1/4 (M6) Screw	30.00 (135.00)	6.00 (152.40)	1.38 (35.00)	0.79 (20.00)	Black	2000

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Custom, sustainable products

We can manufacture custom channels and brackets from several sustainable materials. The relatively large size of these parts can represent a significant opportunity in meeting sustainability goals.



There are several options that will reduce your product's carbon footprint:

- Manufacture the part with 100 percent renewable material, like PA11.
- Incorporate natural cellulose filler to reduce the amount of plastic used.
- Use 100% PIR in place of virgin material.

Contact our Custom Automotive Products team to learn more.



HellermannTyton North American Corporate Headquarters

7930 N. Faulkner Rd, PO Box 245017
Milwaukee, WI 53224-9517
Phone: (414) 355-1130, (800) 537-1512
Fax: (414) 355-7341, (800) 848-9866
email: corp@htamericas.com
www.hellermann.tyton.com

IATF 16949, AS9100, ISO 9001 and ISO 14001 certified

HellermannTyton Canada

Unit #4, 205 Industrial Parkway North
Aurora, Ontario L4G 4C4 Canada
Phone: (800) 661-2461
Fax: (800) 390-3904
email: sales@hellermanntyton.ca

HellermannTyton Mexico

Anillo Periferico Sur 7980 Edificio 6A
Parque Industrial Tecnologico II
Santa Maria Tequepexpan
Tlaquepaque, Jalisco, Mexico 45601
Phone: 011-52-33-3-133-9880
Fax: 011-52-33-3-133-9861
email: info@htamericas.com.mx

ISO 9001 certified

Warranty Policy – HellermannTyton products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, implied or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.