

Introduction

Technical Features

- Self-locking head ensures stable binding power even under extreme conditions, e.g. temperature and vibration.
- Interior serrations help hold individual wires or bundles firmly in place through friction.
- Tapered tip often with the "bent tail" facility for easy insertion, speeds up threading and reduces applied cost.
- Tough, smooth polyamide may be used for indoor and outdoor applications. Black UV resistant ties are recommended for outdoor use.
- The all synthetic one-piece design eliminates metal parts.
- AMP-TY cable ties can be hand applied or by using application tools.

Applications

- Bundling and mounting of wires, cables, harnesses and hoses in many industries.
- Clean bundling of cables and leads in switch boards and control systems.
- Mounting of conduits, tubes, cables and components in installations.
- Fastening and mounting of countless materials.



Today, there is an increasing demand for cable ties to bundle and fasten wires and cables quickly and economically in various application areas. Tyco Electronics has extended the existing AMP-TY cable tie program to satisfy the present and future market requirements.

The program consists of the most commonly used sizes, materials and colors with customer-friendly packaging. The AMP-TY program now offers an almost unlimited number of possibilities.

As always, we have put great emphasis on introduction a quality program, attractively priced, with on-time delivery, backed up by qualified sales and technical staff to support our customer.

Technical Data

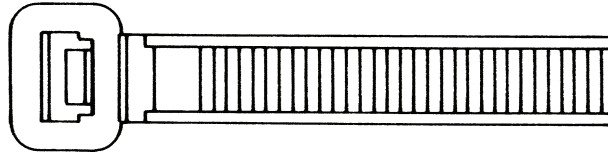
- Material:**
Polyamide 6.6
- Color:**
Natural or black
- Temperature Range:**
-40 °C to +80 °C
- Application Temperature:**
-10 °C to +60 °C
- Melting Point:**
+250 °C
- Dielectric Strength:**
50 kV/mm
- Flammability Rating:**
UL 94 V-2
- Resistance to External Agents:**
Bases, oils, greases, oil products, chlorate solvents
- Limited Resistance to:**
Acids
- No Resistance to:**
Phenols

- Material:**
Polyamide 12
- Color:**
Black
- Temperature Range:**
-40 °C to +80 °C
- Application Temperature:**
-20 °C to +60 °C
- Melting Point:**
+185 °C
- Dielectric Strength:**
28 kV/mm
- Flammability Rating:**
UL 94 HB
- Resistance to External Agents:**
Ultra-violet rays
- Good Resistance to:**
Bases, oils, greases, oil products, saline atmosphere
- No Resistance to:**
Chlorate solvents

AMP-TY Cable Ties

Standard Style
(acc. MIL-S-23190E)

Material:
Polyamide 6.6
Color:
natural or black



Dimensions (mm)		Cable Bundle Diameter max. (mm)	Tensile Strength N	Part Number	Package Quantity
Length	Width				
75	2.2	15	60	2-160965-x	5,000
98	2.5	21	82	2-160967-x	1,000
134	2.6	32	82	2-160968-x	1,000
160	2.8	40	82	2-160969-x	1,000
200	2.6	52	82	2-160970-x	1,000
140	3.6	35	130	2-160971-x	1,000
200	3.6	50	130	2-160996-x	1,000
290	3.6	80	130	2-160972-x	1,000
370	3.6	103	130	2-160994-x	1,000
120	4.5	24	200	2-160997-x	1,000
160	4.5	40	200	2-160973-x	1,000
178	4.8	45	220	2-160974-x	1,000
200	4.8	50	220	2-160975-x	1,000
255	4.8	68	220	2-160976-x	1,000
290	4.8	79	220	2-160977-x	1,000
370	4.8	103	220	2-160978-x	1,000
430	4.8	115	220	2-160995-x	1,000
120	7.8	25	550	2-160979-x	1,000
180	7.8	45	550	2-160980-x	1,000
240	7.8	63	550	2-160981-x	1,000
300	7.8	80	550	2-160982-x	1,000
365	7.8	100	550	2-160983-x	1,000
450	7.8	130	550	2-160984-x	100
540	7.8	158	550	2-160985-x	100
750	7.8	200	550	2-160986-x	100
780	9.0	233	770	1-160987-x	100
225	12.6	57	1100	1-160988-x	100
500	12.6	143	1100	1-160989-x	100
720	12.6	213	1100	1-160990-x	100

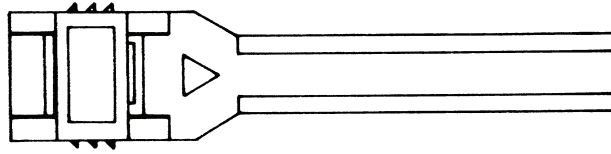
Preferred Types are printed bold

x = Color Code (Suffix):
-1 = natural
-2 = black

AMP-TY Cable Ties (continued)

**Lashing Ties,
Extra Heavy-Duty Style
(acc. MIL-S-23190E)**

Material:
Polyamide 11-12
Color:
black

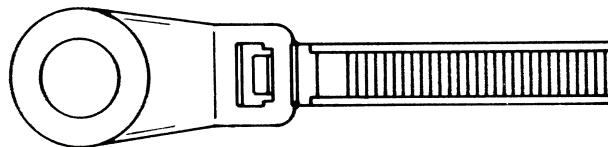


Dimensions (mm)		Cable Bundle Diameter max. (mm)	Tensile Strength N	Part Number	Package Quantity
Length	Width				
115	6.0	25	250	2-100697-2	100
180	6.0	45	250	2-100698-2	100
290	6.0	78	250	2-100699-2	100
360	6.0	100	250	2-100700-2	100
175	8.0	42	350	2-100701-2	100
255	8.0	57	450	2-100702-2	100
350	8.0	88	450	2-100703-2	100
132	9.0	27	350	2-100704-2	100
180	9.0	45	350	2-100705-2	100
265	9.0	65	510	2-100706-2	100
300	9.0	80	510	2-100707-2	100
360	9.0	93	510	2-100708-2	100
510	9.0	140	550	2-100709-2	100
760	9.0	220	550	2-100710-2	100

Preferred Types are printed bold

**Screw Mounting Cable Ties
(acc. MIL-S-23190E)**

Material:
Polyamide 6.6
Color:
natural



Dimensions (mm)		Cable Bundle Diameter max. (mm)	Tensile Strength N	Size of Mounting Hole (mm)	Part Number	Package Quantity
Length	Width					
150	3.6	32	130	4.5	2-100715-1	100
200	4.8	54	200	5.5	2-100716-1	100
200	7.8	50	550	6.5	2-100717-1	100
300	7.8	75	550	6.5	2-100718-1	100
380	7.8	104	550	6.5	2-100719-1	100

Preferred Types are printed bold

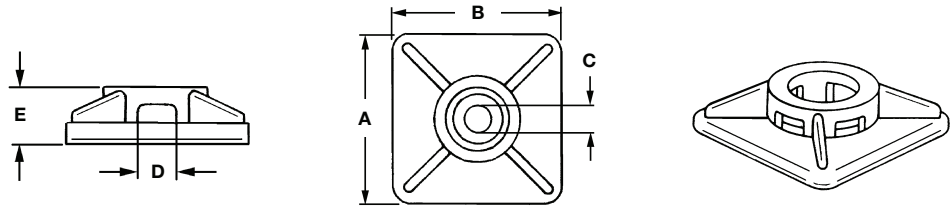
AMP-TY Cable Ties (continued)

**Self-Adhesive
Mounting Base**

Material:
Polyamide 6.6

Regular Style:
with Standard Adhesive

Professional Style:
with High Performance Adhesive



Mounting Type	Dimensions (mm)					Cable Tie Width max. (mm)	Part Numbers		Package Quantity
	A	B	C	D	E		Natural	Black	
Standard	19.0	19.0	4.3	4.0	6.0	3.6	2-100733-1	2-100733-2	100
	26.5	26.5	4.3	6.0	8.0	4.8	2-100734-1	2-100734-2	100
Professional	19.0	19.0	4.3	4.0	6.0	3.6	2-100693-1	2-100693-2	100
	26.5	26.5	4.3	6.0	8.0	4.8	2-100694-1	2-100694-2	100

Preferred Types are printed bold

Application Tooling

Cable Tie Gun

Part No. 1478697-1

- Standard Cable Tie Tensioning Tool manufactured with a metal body
- Adjustable to suit cable tie widths 2.4 mm to 4.8 mm
- Weight: 300 g



Cable Tie Gun

Part No. 1478697-2

- Standard Cable Tie Tensioning Tool manufactured with a plastic body
- Adjustable to suit cable tie widths 2.4 mm to 4.8 mm
- Weight: 275 g



Cable Tie Gun

Part No. 1478697-3

- Standard Cable Tie Tensioning Tool manufactured with a metal body
- Adjustable to suit cable tie widths 2.5 mm to 13.0 mm
- Weight: 275 g

