



Cable Ties inside serrated

• T-Series

Features and Benefits






Available in a wide range of materials, these cable ties all feature internal serrations allowing for a positive hold onto cable, hose and pipe bundles. The design of the head guarantees a high tensile strength whilst allowing a very low insertion force, this, combined with the bent tail design of many of the ties, ensures a simple and quick installation. Whilst easily installed by hand, manual and pneumatic (for high volume applications) tensioning tools are available to ensure a consistent and safe installation.

Application

For the routing, bundling and securing of cables, pipes and hoses.



T Series for bundling and securing of cables for a wide range of applications, available in various colours and materials.

	Material	Page Number	Material	Page Number
	Polyamide 6.6 (PA66) Polyamide 6.6 Heat Stabilised (PA66HS) Polyamide 6.6 High Imp. Mod. scan black (PA66HIR(S))	70 73 74	Polyamide 6.6 UV Resistant (PA66W) Polypropylene (PP)	69 76
	Polyamide 6.6 (PA66) Polyamide 4.6 (PA46)	68 75	Polyamide 6.6 Heat Stabilised (PA66HS) Polypropylene (PP)	72 76
	Polyamide 6.6 (PA66)	71	Ethylenterafluorineethylen - E/TFE (Tefzel®)	76
	Polyamide 6.6 V0 (PA66V0)	75		
	Polyamide 4.6 (PA46)	75		

Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel-Tie. In addition to Tefzel from DuPont HellermannTyton is also using equivalent E/TFE raw material from other suppliers.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

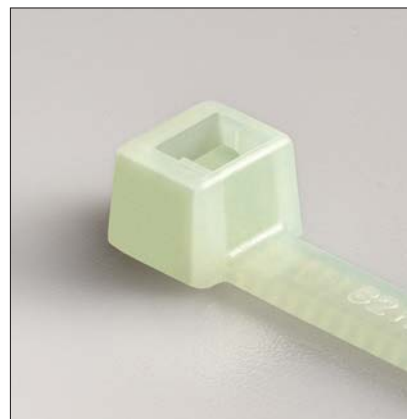


Cable Ties Polyamide 6.6 standard

- T-Series in PA66 natural

Material Data

Material	Polyamide 6.6 (PA66)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 (PA66)								
111-02809	T18S	83	2.3	16.0	80	PA66	Natural (NA)	1-3, 5
111-01919	T18R	100	2.5	22	80	PA66	Natural (NA)	1-3, 5
111-02319	T18I	145	2.5	35.0	80	PA66	Natural (NA)	1-3, 5
111-02119	T18L	205	2.5	55	80	PA66	Natural (NA)	1-3, 5
111-02519	T25L	240	2.8	65.0	110	PA66	Natural (NA)	1-3, 5
111-02619	T25LL	330	2.8	95.0	110	PA66	Natural (NA)	1-3, 5
111-03219	T30R	150	3.5	35	135	PA66	Natural (NA)	1-3, 5
111-03419	T30L	198	3.5	50	135	PA66	Natural (NA)	1-3, 5
111-03549	T30LL	290	3.5	80.0	135	PA66	Natural (NA)	1-3, 5
111-03819	T40R	175	4.0	40.0	180	PA66	Natural (NA)	1-5
111-05819	T50S	150.0	4.6	35.0	225	PA66	Natural (NA)	1-10
111-05013	T50R	200	4.6	50.0	225	PA66	Natural (NA)	1-10
111-06201	T50M	245	4.6	65.0	225	PA66	Natural (NA)	1-10
111-05219	T50I	300	4.6	85.0	225	PA66	Natural (NA)	1-10
111-05409	T50L	390	4.6	110	225	PA66	Natural (NA)	1-10
111-05019	T80R	210	4.7	55	355	PA66	Natural (NA)	1-10
111-08229	T80I	300	4.7	85	355	PA66	Natural (NA)	1-10
111-05419	T80L	390	4.7	110	355	PA66	Natural (NA)	1-10
111-12829	T120S	225.0	7.6	55.0	535	PA66	Natural (NA)	6-10
111-12219	T120I	300	7.6	80.0	535	PA66	Natural (NA)	6-10
111-12019	T120R(E)	387	7.6	100	535	PA66	Natural (NA)	6-10
111-12619	T120M	460	7.6	130	535	PA66	Natural (NA)	6-10
111-12704	T120XM	600	7.6	175	535	PA66	Natural (NA)	6-10
111-12429	T120L	760	7.6	225	535	PA66	Natural (NA)	6-10
111-14819	T150R	365	7.6	100	670	PA66	Natural (NA)	6-10
111-15619	T150M	525	8.9	150	780	PA66	Natural (NA)	6-9
111-15419	T150L	820	8.9	245	780	PA66	Natural (NA)	6-9
111-15519	T150XL	1095	8.9	330	780	PA66	Natural (NA)	6-9
111-15304	T150XLL	1325	8.9	405	780	PA66	Natural (NA)	6-9
111-24705	T250S	225	12.5	55.0	1115	PA66	Natural (NA)	7-9
111-25103	T250X	370	12.5	100	1115	PA66	Natural (NA)	7-9
111-24803	T250R	520	12.5	145	1115	PA66	Natural (NA)	7-9
111-25002	T250M	565	12.5	150	1115	PA66	Natural (NA)	7-9
111-25219	T250I	725	12.5	203	1115	PA66	Natural (NA)	7-9
111-00466	T250XL	1030	12.5	305	1115	PA66	Natural (NA)	7-9

All dimensions in mm. Subject to technical changes.

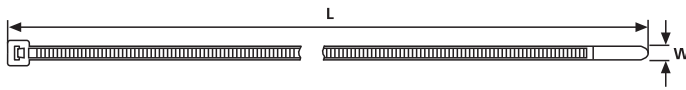


Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

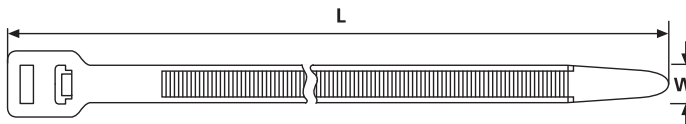


Cable Ties for outdoor use (UV-resistant)

• T-Series in PA66W black





T18S – T255M



T250-Series



Material Data	
Material	Polyamide 6.6 UV Resistant (PA66W)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 UV Stabilised								
111-01960	T18R	100	2.5	22	80	PA66W	Black (BK)	1–3, 5
111-02360	T18I	145	2.5	35.0	80	PA66W	Black (BK)	1–3, 5
111-02160	T18L	205	2.5	55	80	PA66W	Black (BK)	1–3, 5
111-02660	T25LL	330	2.8	95.0	110	PA66W	Black (BK)	1–3, 5
111-03260	T30R	150	3.5	35	135	PA66W	Black (BK)	1–3, 5
111-03460	T30L	198	3.5	50	135	PA66W	Black (BK)	1–3, 5
111-03580	T30LL	290	3.5	80.0	135	PA66W	Black (BK)	1–3, 5
111-03860	T40R	175	4.0	40.0	180	PA66W	Black (BK)	1–5
111-05860	T50S	150	4.6	35.0	225	PA66W	Black (BK)	1–10
111-04889	T50R	200	4.6	50.0	225	PA66W	Black (BK)	1–10
111-06206	T50M	245	4.6	65.0	225	PA66W	Black (BK)	1–10
111-05260	T50I	300	4.6	85.0	225	PA66W	Black (BK)	1–10
111-05440	T50L	390	4.6	110	225	PA66W	Black (BK)	1–10
111-06000	T50LL	445	4.6	130	225	PA66W	Black (BK)	1–10
111-05060	T80R	210	4.7	55	355	PA66W	Black (BK)	1–10
111-08290	T80I	300	4.7	85	355	PA66W	Black (BK)	1–10
111-05460	T80L	390	4.7	110	355	PA66W	Black (BK)	1–10
111-12830	T120S	225	7.6	55.0	535	PA66W	Black (BK)	6–10
111-12230	T120I	300	7.6	80.0	535	PA66W	Black (BK)	6–10
111-12060	T120R(E)	387	7.6	100	535	PA66W	Black (BK)	6–10
111-12660	T120M	460	7.6	130	535	PA66W	Black (BK)	6–10
111-12430	T120L	760	7.6	225	535	PA66W	Black (BK)	6–10
111-14860	T150R(H)	365	7.6	100	670	PA66W	Black (BK)	6–10
111-15660	T150M	525	8.9	150	780	PA66W	Black (BK)	6–9
111-15460	T150L	820	8.8	245	780	PA66W	Black (BK)	6–9
111-15502	T150XL	1095	8.9	330	780	PA66W	Black (BK)	6–9
111-15305	T150XLL	1325	8.9	405	780	PA66W	Black (BK)	6–9
111-25100	T250X	370	12.5	100	1115	PA66W	Black (BK)	7–9
111-24805	T250R	520	12.5	145	1115	PA66W	Black (BK)	7–9

All dimensions in mm. Subject to technical changes.

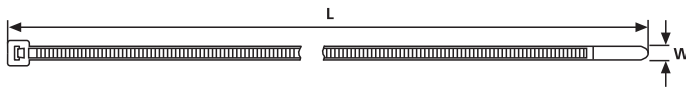


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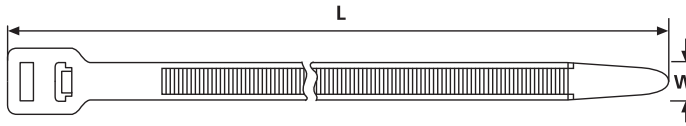


Cable Ties Polyamide 6.6 standard

• T-Series in PA66 black



T18S – T255M



T250-Series



Material Data	
Material	Polyamide 6.6 (PA66)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 (PA66)								
111-01910	T18R	100	2.5	22.0	80	PA66	Black (BK)	1–3, 5
111-02370	T18I	145	2.5	35.0	80	PA66	Black (BK)	1–3, 5
111-02110	T18L	205	2.5	55.0	80	PA66	Black (BK)	1–3, 5
111-02500	T25L	240	2.8	65.0	110	PA66	Black (BK)	1–3, 5
111-03210	T30R	150	3.5	35.0	135	PA66	Black (BK)	1–3, 5
111-03410	T30L	198	3.5	50.0	135	PA66	Black (BK)	1–3, 5
111-03500	T30LL	290.0	3.5	80.0	135	PA66	Black (BK)	1–3, 5
111-05810	T50S	150.0	4.6	35.0	225	PA66	Black (BK)	1–10
111-05000	T50R	200	4.6	50.0	225	PA66	Black (BK)	1–10
111-06200	T50M	245.0	4.6	65.0	225	PA66	Black (BK)	1–10
111-05210	T50I	300	4.6	85.0	225	PA66	Black (BK)	1–10
111-05400	T50L	390.0	4.6	110	225	PA66	Black (BK)	1–10
111-06002	T50LL	445	4.6	130	225	PA66	Black (BK)	1–10
111-08010	T80R	210	4.7	55.0	355	PA66	Black (BK)	1–10
111-08210	T80I	300	4.7	85.0	355	PA66	Black (BK)	1–10
111-05410	T80L	390	4.7	110	355	PA66	Black (BK)	1–10
111-12210	T120I	300	7.6	80.0	535	PA66	Black (BK)	6–10
111-12010	T120R(E)	387	7.6	100	535	PA66	Black (BK)	6–10
111-12610	T120M	460	7.6	130	535	PA66	Black (BK)	6–10
111-12701	T120XM	600	7.6	175	535	PA66	Black (BK)	6–10
111-12403	T120L	760	7.6	225	535	PA66	Black (BK)	6–10
111-14810	T150R	365	7.6	100	670	PA66	Black (BK)	6–10
111-00124	T150M	525	8.9	150	780	PA66	Black (BK)	6–9
111-15405	T150L	820	8.9	245	780	PA66	Black (BK)	6–9
111-15500	T150XL	1095	8.9	330	780	PA66	Black (BK)	6–9
111-15300	T150XLL	1325	8.9	405	780	PA66	Black (BK)	6–9
111-25102	T250X	370	12.5	100	1115	PA66	Black (BK)	7–9
111-25001	T250M	565	12.5	150	1115	PA66	Black (BK)	7–9
111-24601	T250L	880	12.5	254	1115	PA66	Black (BK)	7–9
111-25200	T250XL	1030	12.5	305	1115	PA66	Black (BK)	7–9

All dimensions in mm. Subject to technical changes.





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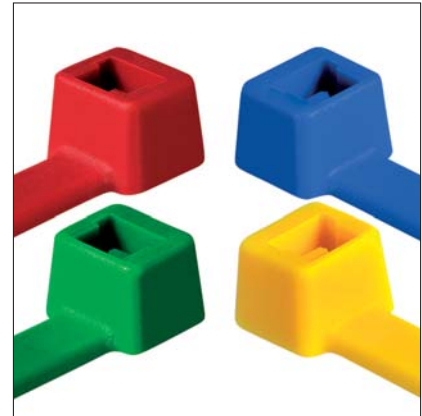


Cable Ties Polyamide 6.6 standard

- T-Series in PA66 coloured

Material Data	
Material	Polyamide 6.6 (PA66)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 Colours								
116-01816	T18R	100	2.5	22.0	80	PA66	Blue (BU)	1-3, 5
111-03008	T30R	150	3.5	35.0	135	PA66	Blue (BU)	1-3, 5
111-04800	T50R	200	4.6	50.0	225	PA66	Blue (BU)	1-10
111-05404	T50L	390	4.6	110	225	PA66	Blue (BU)	1-10
116-08016	T80R	210	4.7	55.0	355	PA66	Blue (BU)	1-10
116-05416	T80L	390	4.7	110	355	PA66	Blue (BU)	1-10
116-01815	T18R	100	2.5	22.0	80	PA66	Green (GN)	1-3, 5
111-03014	T30R	150	3.5	35.0	135	PA66	Green (GN)	1-3, 5
111-05402	T50L	390	4.6	110	225	PA66	Green (GN)	1-10
116-08015	T80R	210	4.7	55.0	355	PA66	Green (GN)	1-10
116-05415	T80L	390	4.7	110	355	PA66	Green (GN)	1-10
111-12001	T120R(E)	387	7.6	100	535	PA66	Green (GN)	6-10
116-01812	T18R	100	2.5	22.0	80	PA66	Red (RD)	1-3, 5
111-03004	T30R	150	3.5	35.0	135	PA66	Red (RD)	1-3, 5
111-04804	T50R	200	4.6	50.0	225	PA66	Red (RD)	1-10
111-05406	T50L	390	4.6	110	225	PA66	Red (RD)	1-10
116-08012	T80R	210	4.7	55.0	355	PA66	Red (RD)	1-10
116-05412	T80L	390	4.7	110	355	PA66	Red (RD)	1-10
111-12002	T120R(E)	387	7.6	100	535	PA66	Red (RD)	6-10
116-01814	T18R	100	2.5	22.0	80	PA66	Yellow (YE)	1-3, 5
111-03006	T30R	150	3.5	35.0	135	PA66	Yellow (YE)	1-3, 5
111-04805	T50R	200	4.6	50.0	225	PA66	Yellow (YE)	1-10
111-05428	T50L	390	4.6	110	225	PA66	Yellow (YE)	1-10
116-08014	T80R	210	4.7	55.0	355	PA66	Yellow (YE)	1-10
116-05414	T80L	390	4.7	110	355	PA66	Yellow (YE)	1-10
116-15014	T150R(H)	365	7.6	100	670	PA66	Yellow (YE)	6-10

All dimensions in mm. Subject to technical changes.

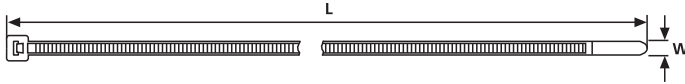


Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Cable Ties for temperatures up to + 105°C (heat stabilised)

- T-Series in PA66HS natural



T18S – T255M

Material Data	
Material	Polyamide 6.6 Heat Stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 Heat Stabilised								
111-01959	T18R	100	2.5	22.0	80	PA66HS	Natural (NA)	1–3, 5
111-02359	T18I	145	2.5	35.0	80	PA66HS	Natural (NA)	1–3, 5
111-02159	T18L	205	2.5	55.0	80	PA66HS	Natural (NA)	1–3, 5
111-03259	T30R	150	3.5	35.0	135	PA66HS	Natural (NA)	1–3, 5
111-03459	T30L	190.0	3.5	50.0	135	PA66HS	Natural (NA)	1–3, 5
111-03569	T30LL	290	3.5	80.0	135	PA66HS	Natural (NA)	1–3, 5
111-03859	T40R	175	4.0	40.0	180	PA66HS	Natural (NA)	1–5
111-05859	T50S	150	4.6	35.0	225	PA66HS	Natural (NA)	1–10
111-04882	T50R	200	4.6	50.0	225	PA66HS	Natural (NA)	1–10
111-05259	T50I	300	4.6	85.0	225	PA66HS	Natural (NA)	1–10
111-05436	T50L	390	4.6	110	225	PA66HS	Natural (NA)	1–10
111-05059	T80R	210	4.7	55.0	355	PA66HS	Natural (NA)	1–10
111-08259	T80I	300	4.7	85.0	355	PA66HS	Natural (NA)	1–10
111-05459	T80L	390	4.7	110	355	PA66HS	Natural (NA)	1–10
111-12824	T120S	225	7.6	55.0	535	PA66HS	Natural (NA)	6–10
111-12249	T120I	300	7.6	80.0	535	PA66HS	Natural (NA)	6–10
111-12059	T120R(E)	387	7.6	100	535	PA66HS	Natural (NA)	6–10
111-12719	T120XM	600	7.6	175	535	PA66HS	Natural (NA)	6–10
111-12449	T120L	760	7.6	225	535	PA66HS	Natural (NA)	6–10
111-15069	T150R(H)	365	7.6	100	670	PA66HS	Natural (NA)	6–10

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Cable Ties for temperatures up to + 105°C (heat stabilised)

• T-Series in PA66HS black

Material Data	
Material	Polyamide 6.6 Heat Stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 Heat Stabilised								
111-01950	T18R	100	2.5	22.0	80	PA66HS	Black (BK)	1–3, 5
111-02358	T18I	145	2.5	35.0	80	PA66HS	Black (BK)	1–3, 5
111-02049	T18L	205	2.5	55.0	80	PA66HS	Black (BK)	1–3, 5
111-03050	T30R	150.0	3.5	35.0	135	PA66HS	Black (BK)	1–3, 5
111-03450	T30L	190.0	3.5	50.0	135	PA66HS	Black (BK)	1–3, 5
111-03640	T30LL	290	3.5	80.0	135	PA66HS	Black (BK)	1–3, 5
111-03970	T40R	175	4.0	40.0	180	PA66HS	Black (BK)	1–5
111-05850	T50S	150.0	4.6	35.0	225	PA66HS	Black (BK)	1–10
111-04940	T50R	200.0	4.6	50.0	225	PA66HS	Black (BK)	1–10
117-05250	T50I	300	4.6	85.0	225	PA66HS	Black (BK)	1–10
111-05450	T50L	390	4.6	110	225	PA66HS	Black (BK)	1–10
117-08070	T80R	210.0	4.7	55.0	355	PA66HS	Black (BK)	1–10
111-08250	T80I	300	4.7	85.0	355	PA66HS	Black (BK)	1–10
111-00388	T80L	390	4.7	110	355	PA66HS	Black (BK)	1–10
111-12850	T120S	225	7.6	55.0	535	PA66HS	Black (BK)	6–10
111-12240	T120I	300	7.6	80.0	535	PA66HS	Black (BK)	6–10
111-12050	T120R(E)	387	7.6	100	535	PA66HS	Black (BK)	6–10
111-00153	T120M	460	7.6	130	535	PA66HS	Black (BK)	6–10
111-12700	T120XM	600	7.6	175	535	PA66HS	Black (BK)	6–10
111-12440	T120L	760	7.6	225	535	PA66HS	Black (BK)	6–10
111-15050	T150R(H)	365	7.6	100	670	PA66HS	Black (BK)	6–10
111-15609	T150M	525	8.9	150	780	PA66HS	Black (BK)	6–9
111-15410	T150L	820	8.8	245	780	PA66HS	Black (BK)	6–9
111-15510	T150XL	1095	8.9	330	780	PA66HS	Black (BK)	6–9

All dimensions in mm. Subject to technical changes.

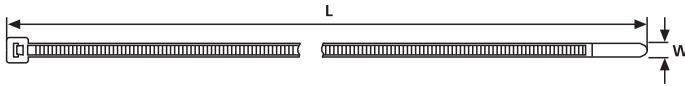


Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Cable Ties for higher impact resistant Polyamide 6.6 ScanBlack

- T-Series in PA66HIR(S)



T18S – T255M



Material Data	
Material	kPolyamide 6.6 High Imp. Mod. scan black (PA66HIR(S))
Operating Temperature	-40 °C to +80 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 HB



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 High Imp. Mod. scan black (PA66HIR(S))								
111-04890	T50R	200	4.6	50.0	225	PA66HIR(S)	Black (BK)	1–10
111-00222	T50I	300	4.6	85.0	225	PA66HIR(S)	Black (BK)	1–10
111-05441	T50L	390	4.6	110	225	PA66HIR(S)	Black (BK)	1–10
111-12203	T120I	300	7.6	80.0	535	PA66HIR(S)	Black (BK)	6–10
111-00168	T120R(E)	387	7.6	100	535	PA66HIR(S)	Black (BK)	6–10
111-12402	T120L	760	7.6	225	535	PA66HIR(S)	Black (BK)	6–10

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Cable Ties for higher fire-protection

• T-Series in PA66V0

Material Data	
Material	Polyamide 6.6 V0 (PA66V0)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V0



Technical Table

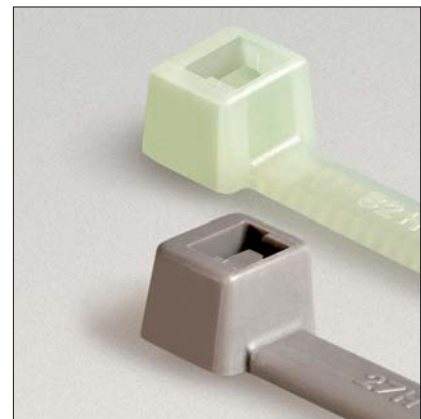
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 V0 rated								
111-91819	T18R	100	2.5	22.0	80	PA66V0	White (WH)	1–3, 5
111-02043	T18L	205	2.5	55.0	80	PA66V0	White (WH)	1–3, 5
111-93019	T30R	150	3.5	35.0	135	PA66V0	White (WH)	1–3, 5
111-00317	T50I	300	4.6	85.0	225	PA66V0	White (WH)	1–10
111-95019	T50R	200	4.6	50.0	225	PA66V0	White (WH)	1–10
111-91210	T120R(E)	387	7.6	100	535	PA66V0	White (WH)	6–10

All dimensions in mm. Subject to technical changes.

Cable Ties for temperatures up to + 150°C in Polyamide 4.6

• T-Series in PA46

Material Data	
Material	Polyamide 4.6 (PA46)
Operating Temperature	-40 °C to +150 °C for 5000 h, (+195 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 4.6 High Temp.								
114-01879	T18R	100	2.5	22.0	80	PA46	Natural (NA)	1–3, 5
114-03079	T30R	150	3.5	35.0	135	PA46	Natural (NA)	1–3, 5
111-00264	T30R	150	3.5	35.0	135	PA46	Grey (GY)	1–3, 5
111-00525	T50R	200	4.6	50.0	225	PA46	Natural (NA)	1–10
111-00824	T50R	200	4.6	50.0	225	PA46	Grey (GY)	1–10
111-05220	T50I	300	4.6	85.0	225	PA46	Natural (NA)	1–10
111-00526	T50L	390	4.6	110	225	PA46	Natural (NA)	1–10
114-12179	T120R(E)	387	7.6	100	535	PA46	Natural (NA)	6–10

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

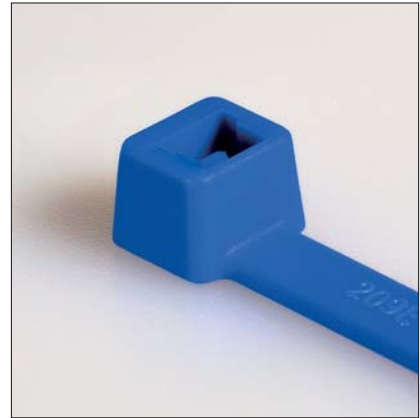


Cable Ties for higher chemical resistance for temperatures up to +150°C in Ethylentetrafluorineethylen

- T-Series in E/TFE



For more information on E/TFE sockets please refer to KR-Series on page 169.



Material Data	
Material	Ethylentetrafluorineethylen - E/TFE (Tefzel®)
Operating Temperature	-80 °C to +150 °C continuous
Flammability	UL94 V0



Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel-Tie. In addition to Tefzel from DuPont HellermannTyton is also using equivalent E/TFE raw material from other suppliers.

Technical Table

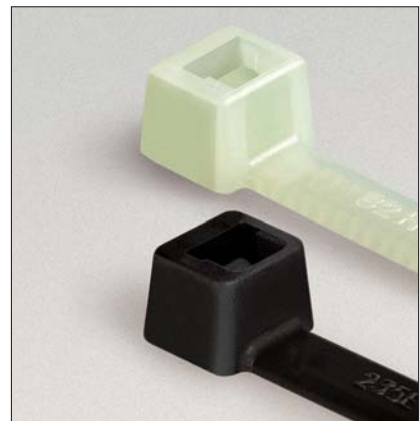
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
E/TFE (Tefzel®)								
111-00659	T18R	100	2.5	22.0	80	E/TFE	Blue (BU)	1-3, 5
111-00698	T30R	150	3.5	36.0	133.3	E/TFE	Blue (BU)	1-3, 5
111-00732	T50R	201	4.7	50.0	222.3	E/TFE	Blue (BU)	1-10
111-00718	T50L	382	4.7	105	222.3	E/TFE	Blue (BU)	1-10
111-01125	T120R	387	7.4	105	535	E/TFE	Blue (BU)	6-10

All dimensions in mm. Subject to technical changes.

Cable Ties for higher chemical resistance for temperatures up to +85°C in Polypropylene

- T-Series in PP

Material Data	
Material	Polypropylene (PP)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 HB



Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polypropylene (PP)								
111-01917	T18R	100	2.5	19.0	49	PP	Black (BK)	1-3, 5
111-01922	T18R	100	2.5	19.0	49	PP	Natural (NA)	1-3, 5
111-03017	T30R	148	3.6	32.0	89	PP	Natural (NA)	1-3, 5
111-04928	T50R	200	4.6	50.0	110	PP	Black (BK)	1-10
111-04931	T50R	200	4.6	50.0	110	PP	Natural (NA)	1-10
111-12827	T120S	225	7.6	55.0	267	PP	Black (BK)	6-10
111-12066	T120R	387	7.6	100	267	PP	Black (BK)	6-10

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.