

Data Sheet - TRU Components Cable Ties

Last updated: 26 September 2024

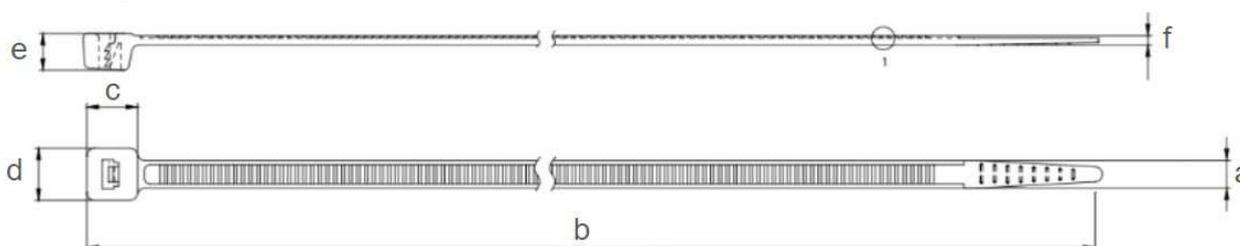
Technical Data

Natural material	: Polyamide 6.6 natural
black material	: Polyamide 6.6 natural+ ~1% carbon black
Flammability of raw material	: UL 94 - V2
Humidity absorption	: 2,7% - 2,8% (23° C - 50% R.H.)
Installation temperature	: -10° C ÷ +85° C
Working temperature	: -40° C ÷ +85° C
Max sustainable temperature for a short time	: +110°C
Comply with	: UL62275 and EN62275
Teeth	: Inside serrated

Notes:

- Please repack unused cable ties in the provided bag to protect them from moisture.
- Carbon black addition gives a better UV resistance
- Good resistance to bases, oils, greases, oil derivatives, and chloride solvents. Limited resistance to acids. Not resistant to phenols.

Drawing



Technical Table

Article number	Manufacturing part number	Size in mm (a)	Size in mm (b)	Length of lock in mm (c)	Width of lock in mm (d)	Height of lock in mm (e)	Thickness of cable tie in mm (f)	Min/Max Bundle diameter: mm/ mm)	Min. Tensile Strength (N)	Color
2979913	TC-BT-260-2.5-UVB	2.5	260	5.1	4.6	4.2	1.15	3/73	78.5	Black
2979914	TC-BT-260-2.5-N	2.5	260	5.1	4.6	4.2	1.15	3/73	78.5	Natural
3045761	TC-BT-80-2.5-UVB	2.5	80	5	4.5	4	1	1.5/14	78.5	Black
3048262	TC-BT-80-2.5-N	2.5	80	5	4.5	4	1	1.5/14	78.5	Natural
3048263	TC-BT-100-2.5-UVB	2.5	100	5	4.5	4	1	1.5/20.5	78.5	Black
3048264	TC-BT-100-2.5-N	2.5	100	5	4.5	4	1	1.5/20.5	78.5	Natural
3048265	TC-BT-120-2.5-UVB	2.5	120	5	4.5	4	1	1.5/27	78.5	Black
3048266	TC-BT-120-2.5-N	2.5	120	5	4.5	4	1	1.5/27	78.5	Natural
3048271	TC-BT-150-2.5-UVB	2.5	150	5	4.5	4	1	1.5/36.5	78.5	Black

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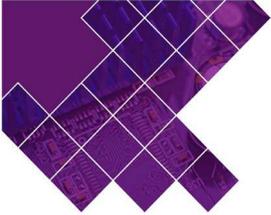
Article number	Manufacturing part number	Size in mm (a)	Size in mm (b)	Size in mm (c)	Size in mm (d)	Size in mm (e)	Size in mm (f)	Min/Max Bundle diameter: mm/ mm)	Min. Tensile Strength (N)	Color
3048272	TC-BT-150-2.5-N	2.5	150	5	4.5	4	1	1.5/36.5	78.5	Natural
3048277	TC-BT-160-2.5-UVB	2.5	160	5	4.5	4	1	1.5/39.8	529.7	Black
3048278	TC-BT-160-2.5-N	2.5	160	5	4.5	4	1	1.5/39.8	529.7	Natural
3048283	TC-BT-200-2.5-UVB	2.5	200	5	4.5	4	1	1.552.5	78.5	Black
3048284	TC-BT-200-2.5-N	2.5	200	5	4.5	4	1	1.552.5	78.5	Natural
2979915	TC-BT- 300-3.6-N	3.6	300	6.5	6.5	4.8	1.2	3/84	176.6	Natural
2979916	TC-BT- 300-3.6-UVB	3.6	300	6.5	6.5	4.8	1.2	3/84	176.6	Black
2979917	TC-BT- 370-3.6-UVB	3.6	370	6.5	6.5	4.8	1.2	3/106	176.6	Black
2979918	TC-BT- 370-3.6-N	3.6	370	6.5	6.5	4.8	1.2	3/106	176.6	Natural
3013867	TC-BT- 180-3.6-N	3.6	180	6.2	6.5	4.8	1.2	3/46	176.6	Natural
3013868	TC-BT- 180-3.6-UVB	3.6	180	6.2	6.5	4.8	1.2	3/46	176.6	Black
3048269	TC-BT-140-3.6-UVB	3.6	140	7.5	7.9	5.8	1.2	2/33	176.6	Black
3048270	TC-BT-140-3.6-N	3.6	140	6.2	6.5	4.8	1.2	2/33	176.6	Natural
3048273	TC-BT-150-3.6-UVB	3.6	150	6.2	6.5	4.8	1.2	2/36	176.6	Black
3048274	TC-BT-150-3.6-N	3.6	150	6.2	6.5	4.8	1.2	2/36	176.6	Natural
3048285	TC-BT-200-3.6-UVB	3.6	200	6.2	6.5	4.8	1.2	2/52.5	176.6	Black
3048286	TC-BT-200-3.6-N	3.6	200	6.2	6.5	4.8	1.2	2/52.5	176.6	Natural
3048293	TC-BT-250-3.6-UVB	3.6	250	6.5	6.5	4.8	1.2	2/68	176.6	Black
3048294	TC-BT-250-3.6-N	3.6	250	6.5	6.5	4.8	1.2	2/68	176.6	Natural
3048299	TC-BT-280-3.6-UVB	3.6	280	6.5	6.5	4.8	1.2	2/78	176.6	Black
3048300	TC-BT-280-3.6-N	3.6	280	6.5	6.5	4.8	1.2	2/78	176.6	Natural
3048267	TC-BT-120-4.6-UVB	4.6	120	7.5	7.9	5.8	1.2	3/23.8	225.6	Black
3048268	TC-BT-120-4.6-N	4.6	120	7.5	7.9	5.8	1.2	3/23.8	225.6	Natural
3048279	TC-BT-160-4.6-UVB	4.6	160	7.5	7.9	5.8	1.25	3/36.6	225.6	Black
3048280	TC-BT-160-4.6-N	4.6	160	7.5	7.9	5.8	1.25	3/36.6	225.6	Natural
3048281	TC-BT-180-4.6-UVB	4.6	180	8	8.2	5.8	1.25	3/43	225.6	Black
3048282	TC-BT-180-4.6-N	4.6	180	8	8.2	5.8	1.25	3/43	225.6	Natural
2979919	TC-BT-350-4.8-N	4.8	350	8	8.2	5.8	1.25	3/97	225.6	Natural
2979920	TC-BT- 350-4.8-UVB	4.8	350	8	8.2	5.8	1.25	3/97	225.6	Black
2979921	TC-BT- 400-4.8-UVB	4.8	400	8	8.2	5.8	1.25	3/113	225.6	Black
2979922	TC-BT- 400-4.8-N	4.8	400	8	8.2	5.8	1.25	3/113	225.6	Natural
2979923	TC-BT- 500-4.8-N	4.8	500	8	8.2	5.8	1.25	3/145	225.6	Natural
2979924	TC-BT- 500-4.8-UVB	4.8	500	8	8.2	5.8	1.25	3/145	225.6	Black
3013870	TC-BT- 740-4.8-UVB	4.8	740	8	8.2	5.8	1.25	3/220	225.6	Black
3013871	TC-BT- 740-4.8-N	4.8	740	8	8.2	5.8	1.25	3/220	225.6	Natural
3013872	TC-BT- 920-4.8-UVB	4.8	920	8	8.2	5.8	1.25	3/278	225.6	Black
3013873	TC-BT- 920-4.8-N	4.8	920	8	8.2	5.8	1.25	3/278	225.6	Natural
3048287	TC-BT-200-4.8-UVB	4.8	200	8	8.2	5.8	1.25	3/49.5	225.6	Black
3048288	TC-BT-200-4.8-N	4.8	200	8	8.2	5.8	1.25	3/49.5	225.6	Natural
3048295	TC-BT-250-4.8-UVB	4.8	250	8	8.2	5.8	1.25	3/65	225.6	Black
3048296	TC-BT-250-4.8-N	4.8	250	8	8.2	5.8	1.25	3/65	225.6	Natural
3048301	TC-BT-280-4.8-UVB	4.8	280	8	8.2	5.8	1.25	3/74.8	225.6	Black
3048302	TC-BT-280-4.8-N	4.8	280	8	8.2	5.8	1.25	3/74.8	225.6	Natural
3048305	TC-BT-300-4.8-UVB	4.8	300	8	8.2	5.8	1.25	3/81	225.6	Black
3048306	TC-BT-300-4.8-N	4.8	300	8	8.2	5.8	1.25	3/81	225.6	Natural
3048307	TC-BT-360-4.8-UVB	4.8	360	8	8.2	5.8	1.25	3/100	225.6	Black
3048308	TC-BT-360-4.8-N	4.8	360	8	8.2	5.8	1.25	3/100	225.6	Natural
3048309	TC-BT-380-4.8-UVB	4.8	380	8	8.2	5.8	1.25	3/106.7	225.6	Black
3048310	TC-BT-380-4.8-N	4.8	380	8	8.2	5.8	1.25	3/106.7	225.6	Natural
3048311	TC-BT-430-4.8-UVB	4.8	430	8	8.2	5.8	1.25	3/122.5	225.6	Black

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3048312	TC-BT-430-4.8-N	4.8	430	8	8.2	5.8	1.25	3/122.5	225.6	Natural
3048313	TC-BT-450-4.8-UVB	4.8	450	8	8.2	5.8	1.25	3/129	225.6	Black
3048315	TC-BT-550-4.8-UVB	4.8	550	8	8.2	5.8	1.25	3/160	225.6	Black
3048316	TC-BT-550-4.8-N	4.8	550	8	8.2	5.8	1.25	3/160	225.6	Natural
3048319	TC-BT-610-4.8-UVB	4.8	610	8	8.2	5.8	1.25	3/179.9	225.6	Black
3048320	TC-BT-610-4.8-N	4.8	610	8	8.2	5.8	1.25	3/179.9	225.6	Natural
3048314	TC-BT-450-4.8-N	4.8	450	8	8.2	5.8	1.25	3/129	225.6	Natural
2979929	TC-BT- 370-7.6-N	7.6	370	11.2	12	7.5	1.5	6/103.5	529.7	Natural
2979930	TC-BT- 370-7.6-UVB	7.6	370	11.2	12	7.5	1.5	6/103.5	529.7	Black
2979931	TC-BT- 400-7.6-N	7.6	400	11.2	12	7.5	1.5	6/114.5	529.7	Natural
2979932	TC-BT- 400-7.6-UVB	7.6	400	11.2	12	7.5	1.5	6/114.5	529.7	Black
2979933	TC-BT- 350-7.6-N	7.6	350	11.2	12	7.5	1.5	6/98.5	529.7	Natural
2979934	TC-BT- 450-7.6-N	7.6	450	11.2	12	7.5	1.5	6/130.5	529.7	Natural
2979935	TC-BT- 450-7.6-UVB	7.6	450	11.2	12	7.5	1.5	6/130.5	529.7	Black
2979936	TC-BT- 500-7.6-UVB	7.6	500	11.2	12	7.5	1.5	6/146	529.7	Black
2979937	TC-BT- 500-7.6-N	7.6	500	11.2	12	7.5	1.5	6/146	529.7	Natural
2979952	TC-BT- 350-7.6-UVB	7.6	350	11.2	12	7.5	1.5	6/98.5	529.7	Black
3013874	TC-BT- 300-7.6-UVB	7.6	300	11.2	12	7.5	1.5	6/82.8	529.7	Black
3013875	TC-BT- 300-7.6-N	7.6	300	11.2	12	7.5	1.5	6/82.8	529.7	Natural
3013876	TC-BT- 610-7.6-N	7.6	610	11.2	12	7.5	1.6	6/181.5	529.7	Natural
3013877	TC-BT- 750-7.6-UVB	7.6	750	11.2	12	7.5	1.6	6/226	529.7	Black
3013878	TC-BT- 750-7.6-N	7.6	750	11.2	12	7.5	1.6	6/226	529.7	Natural
3013894	TC-BT-610-7.6-UVB	7.6	610	11.2	12	7.5	1.6	6/181.5	529.7	Black
3048275	TC-BT-150-7.6-UVB	7.6	150	11	11.8	7.2	1.4	6/23.8	529.7	Black
3048276	TC-BT-150-7.6-N	7.6	150	11	11.8	7.2	1.4	6/23.8	529.7	Natural
3048289	TC-BT-200-7.6-UVB	7.6	200	11.2	12	7.5	1.5	6/50.9	529.7	Black
3048290	TC-BT-200-7.6-N	7.6	200	11.2	12	7.5	1.5	6/50.9	529.7	Natural
3048291	TC-BT-220-7.6-UVB	7.6	220	11.2	12	7.5	1.5	6/56	529.7	Black
3048292	TC-BT-220-7.6-N	7.6	220	11.2	12	7.5	1.5	6/56	529.7	Natural
3048297	TC-BT-250-7.6-UVB	7.6	250	11.2	12	7.5	1.5	6/66.8	529.7	Black
3048298	TC-BT-250-7.6-N	7.6	250	11.2	12	7.5	1.5	6/66.8	529.7	Natural
3048303	TC-BT-280-7.6-UVB	7.6	280	11.2	12	7.5	1.5	6/76.4	529.7	Black
3048304	TC-BT-280-7.6-N	7.6	280	11.2	12	7.5	1.5	6/76.4	529.7	Natural
3048317	TC-BT-550-7.6-UVB	7.6	550	11.2	12	7.5	1.5	6/162.5	529.7	Black
3048318	TC-BT-550-7.6-N	7.6	550	11.2	12	7.5	1.5	6/162.5	529.7	Natural
2937159	TC-BT-1168-8.8-UVB	8.8	1168	13	14.2	9.2	1.75	7/340	784.8	Black
2937160	TC-BT-1220-8.8-UVB	8.8	1220	13	14.2	9.2	1.75	7/375.5	784.8	Black
2937161	TC-BT-1530-8.8-UVB	8.8	1530	13	14.2	9.2	1.75	7/450.0	784.8	Black
2979938	TC-BT- 500-8.8-UVB	8.8	500	13	14	9.2	1.75	7/146.5	784.8	Black
2979939	TC-BT- 500-8.8-N	8.8	500	13	14	9.2	1.75	7/146.5	784.8	Natural
2979940	TC-BT- 610-8.8-N	8.8	610	13	14	9.2	1.75	7/181.5	784.8	Natural
2979941	TC-BT-610-8.8-UVB	8.8	610	13	14	9.2	1.75	7/181.5	784.8	Black
2979942	TC-BT-710-8.8-N	8.8	710	13	14.2	9.2	1.75	7/195	784.8	Natural
2979943	TC-BT-710-8.8-UVB	8.8	710	13	14.2	9.2	1.75	7/195	784.8	Black
2979944	TC-BT-810-8.8-UVB	8.8	810	13	14.2	9.2	1.75	7/245	784.8	Black
2979945	TC-BT-810-8.8-N	8.8	810	13	14.2	9.2	1.75	7/245	784.8	Natural
2979946	TC-BT-920-8.8-UVB	8.8	920	13	14.2	9.2	1.75	7/280	784.8	Black
2979947	TC-BT-920-8.8-N	8.8	920	13	14.2	9.2	1.75	7/280	784.8	Natural
2979948	TC-BT-1020-8.8-N	8.8	1020	13	14.2	9.2	1.75	7/295	784.8	Natural
2979949	TC-BT-1020-8.8-UVB	8.8	1020	13	14.2	9.2	1.75	7/295	784.8	Black

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3013879	TC-BT-400-8.8-UVB	8.8	400	13	14	9.2	1.75	7/115	784.8	Black
3013880	TC-BT-400-8.8-N	8.8	400	13	14	9.2	1.75	7/115	784.8	Natural
3013881	TC-BT-1168-8.8-N	8.8	1168	13	14.2	9.2	1.75	7/340	784.8	Natural
3013882	TC-BT-1220-8.8-N	8.8	1220	13	14.2	9.2	1.75	7/375.5	784.8	Natural
3013883	TC-BT-1530-8.8-N	8.8	1530	13	14.2	9.2	1.75	7/450.0	784.8	Natural
3048321	TC-BT-750-8.8-UVB	8.8	750	13	14.2	9.2	1.75	7/205	784.8	Black
3048322	TC-BT-750-8.8-N	8.8	750	13	14.2	9.2	1.75	7/205	784.8	Natural
3048323	TC-BT-780-8.8-UVB	8.8	780	13	14.2	9.2	1.75	7/235.5	784.8	Black
3048324	TC-BT-780-8.8-N	8.8	780	13	14.2	9.2	1.75	7/235.5	784.8	Natural
3048325	TC-BT-450-8.8-UVB	8.8	450	13	14	9.2	1.75	7/130.5	784.8	Black
3048326	TC-BT-450-8.8-N	8.8	450	13	14	9.2	1.75	7/130.5	784.8	Natural
3048328	TC-BT-550-8.8-N	8.8	550	13	14	9.2	1.75	7/163.5	784.8	Natural
3048327	TC-BT-550-8.8-UVB	8.8	550	13	14	9.2	1.75	7/163.5	784.8	Black
2937162	TC-BT-230-12.4-UVB	12.4	230	15.8	19.5	10	1.9	9/57	1079.1	Black
2937163	TC-BT-290-12.4-UVB	12.4	290	15.8	19.5	10	1.9	9/76	1079.1	Black
2937164	TC-BT-380-12.4-UVB	12.4	380	15.8	19.5	10	1.9	9/104.5	1079.1	Black
2937165	TC-BT-480-12.4-UVB	12.4	480	15.8	19.5	10	1.9	9/136.5	1079.1	Black
2937166	TC-BT-530-12.4-UVB	12.4	530	15.8	19.5	10	1.9	10/151	1079.1	Black
2937167	TC-BT-580-12.4-UVB	12.4	580	15.8	19.5	10	1.9	9/168	1079.1	Black
2937168	TC-BT-650-12.4-UVB	12.4	650	15.8	19.5	10	1.9	14/195	1079.1	Black
2937169	TC-BT-730-12.4-UVB	12.4	730	15.8	19.5	10	1.9	9/216	1079.1	Black
2937170	TC-BT-880-12.4-UVB	12.4	880	15.8	19.5	10	1.9	9/263	1079.1	Black
2937171	TC-BT-1000-12.4-UVB	12.4	1000	15.8	19.5	10	1.9	18/315	1079.1	Black
3013884	TC-BT-230-12.4-N	12.4	230	15.8	19.5	10	1.9	9/57	1079.1	Natural
3013885	TC-BT-290-12.4-N	12.4	290	15.8	19.5	10	1.9	9/76	1079.1	Natural
3013886	TC-BT-380-12.4-N	12.4	380	15.8	19.5	10	1.9	9/104.5	1079.1	Natural
3013887	TC-BT-480-12.4-N	12.4	480	15.8	19.5	10	1.9	9/136.5	1079.1	Natural
3013888	TC-BT-530-12.4-N	12.4	530	15.8	19.5	10	1.9	10/151	1079.1	Natural
3013889	TC-BT-580-12.4-N	12.4	580	15.8	19.5	10	1.9	9/168	1079.1	Natural
3013890	TC-BT-650-12.4-N	12.4	650	15.8	19.5	10	1.9	14/195	1079.1	Natural
3013891	TC-BT-730-12.4-N	12.4	730	15.8	19.5	10	1.9	9/216	1079.1	Natural
3013892	TC-BT-880-12.4-N	12.4	880	15.8	19.5	10	1.9	9/263	1079.1	Natural
3013893	TC-BT-1000-12.4-N	12.4	1000	15.8	19.5	10	1.9	18/315	1079.1	Natural



Data Sheet - TRU Components Cable Ties

Overview of packaging pictograms

Min. tensile strength (N)	
Operation temperature	
Indoor and outdoor usage	 Indoor / Outdoor
Indoor usage	 Indoor
UV protection	 Anti UV
Min. and max. bundle diameter	