



NATURAL AND BLACK NYLON CABLE TIES

UL94 V2 self-extinguishing ties. The cable ties are slotted and held in place by the resistance of the elastic tooth against the rack. The tail of the strap is pulled through the head to form a noose that can only be tightened. Used to fix and seal. The work load is calculated using a safety coefficient of no less than 2. A preload of no higher than 10% of the work load should be applied. (See notes on page 60).

Standard packaging, natural colour

Pack of 100 pieces

Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748300256	SEL.2.201	Natural Nylon	75 x 2,5	16	11	100	30000
8014748300263	SEL.2.202		100 x 2,5	24	11	100	30000
8014748300232	SEL.2.203		135 x 2,5	35	11	100	25000
8014748301024	SEL.2.204		160 x 2,5	40	11	100	20000
8014748300270	SEL.2.205		200 x 2,5	55	11	100	20000

Pack of 100 pieces

8014748300287	SEL.2.210	Natural Nylon	140 x 3,5	36	20	100	20000
8014748300249	SEL.2.211		200 x 3,5	55	20	100	12000
8014748302564	SEL.2.215		225 x 3,5	65	20	100	12000
8014748300294	SEL.2.212		280 x 3,5	80	20	100	13000
8014748301185	SEL.2.214		360 x 3,5	103	20	100	8000

Pack of 100 pieces

8014748301062	SEL.2.220	Natural Nylon	140 x 4,5	33	28	100	10000
8014748301109	SEL.2.221		160 x 4,5	38	28	100	10000
8014748300300	SEL.2.222		180 x 4,5	45	28	100	10000
8014748300317	SEL.2.223		200 x 4,5	51	28	100	10000
8014748301192	SEL.2.224		250 x 4,5	68	28	100	10000
8014748300324	SEL.2.425		280 x 4,5	76	28	100	10000
8014748300331	SEL.2.426		360 x 4,5	101	28	100	8000
8014748301147	SEL.2.427		380 x 4,5	110	28	100	7000
8014748301208	SEL.2.428		430 x 4,5	123	28	100	5000
8014748301871	SEL.2.447	Natural Nylon	360 x 6	101	45	100	3000

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Pack of 100 pieces



Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748301215	SEL.2.430	Natural Nylon	180 x 7,5	44	65	100	5000
8014748300942	SEL.2.432		200 x 7,5	48	65	100	5000
8014748301222	SEL.2.431		240 x 7,5	62	65	100	4000
8014748300348	SEL.2.433		280 x 7,5	76	65	100	4000
8014748301888	SEL.2.438		320 x 7,5	88	65	100	3000
8014748300355	SEL.2.434		360 x 7,5	101	65	100	3000
8014748301239	SEL.2.435		450 x 7,5	130	65	100	2500
8014748300362	SEL.2.436		500 x 7,5	145	65	100	2500
8014748301246	SEL.2.437		540 x 7,5	160	65	100	2500
8014748300379	SEL.2.441		750 x 7,5	220	65	100	1500

Pack of 50 pieces



8014748301444	SEL.2.444	Natural Nylon	430 x 9,0	118	80	50	2000
8014748301253	SEL.2.442		550 x 9,0	160	80	50	2000
8014748301260	SEL.2.443		780 x 9,0	235	80	50	1000
8014748302571	SEL.2.454		920 x 9,0	280	80	50	1000
8014748302588	SEL.2.455		1220 x 9,0	375	80	50	1000

Pack of 50 pieces



8014748301277	SEL.2.450	Natural Nylon	250 x 12,5	62	120	50	2000
8014748301284	SEL.2.451		500 x 12,5	140	120	50	1000
8014748301291	SEL.2.452		750 x 12,5	222	120	50	1000
8014748301307	SEL.2.453		1000 x 12,5	300	120	50	1000

Pack of 1,000 pieces



	SEL.2.301	Natural Nylon	75 x 2,5	16	11	1000	60000
	SEL.2.302		100 x 2,5	24	11	1000	50000
	SEL.2.303		135 x 2,5	35	11	1000	40000
	SEL.2.304		160 x 2,5	40	11	1000	40000
	SEL.2.305		200 x 2,5	55	11	1000	30000

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Pack of 1,000 pieces 

Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
	SEL.2.310	Natural Nylon	140 x 3,5	36	20	1000	30000
	SEL.2.311		200 x 3,5	55	20	1000	20000

Pack of 1,000 pieces 

	SEL.2.320	Natural Nylon	140 x 4,5	33	28	1.000	20000
	SEL.2.321		160 x 4,5	38	28	1.000	20000
	SEL.2.322		180 x 4,5	45	28	1.000	15000
	SEL.2.323		200 x 4,5	51	28	1.000	10000

Small Packaging, Natural Colour

Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748300256	SEL.2.201R	Natural Nylon	75 x 2,5	16	11	100	5000
8014748300263	SEL.2.202R		100 x 2,5	24	11	100	5000
8014748300232	SEL.2.203R		135 x 2,5	35	11	100	5000
8014748301024	SEL.2.204R		160 x 2,5	40	11	100	5000
8014748300270	SEL.2.205R		200 x 2,5	55	11	100	5000
8014748300287	SEL.2.210R	Natural Nylon	140 x 3,5	36	20	100	5000
8014748300249	SEL.2.211R		200 x 3,5	55	20	100	5000
8014748302595	SEL.2.215R		225 x 3,5	65	20	100	5000
8014748300294	SEL.2.212R		280 x 3,5	80	20	100	5000
8014748301185	SEL.2.214R		360 x 3,5	103	20	100	4000
8014748301062	SEL.2.220R	Natural Nylon	140 x 4,5	33	28	100	5000
8014748301109	SEL.2.221R		160 x 4,5	38	28	100	5000
8014748300300	SEL.2.222R		180 x 4,5	45	28	100	5000
8014748300317	SEL.2.223R		200 x 4,5	51	28	100	5000
8014748301192	SEL.2.224R		250 x 4,5	68	28	100	5000
8014748300324	SEL.2.425R		280 x 4,5	76	28	100	5000
8014748300331	SEL.2.426R		360 x 4,5	101	28	100	4000
8014748301147	SEL.2.427R		380 x 4,5	110	28	100	3500
8014748301208	SEL.2.428R		430 x 4,5	123	28	100	2500

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Small Packaging, Natural Colour

Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748301871	SEL.2.447R	Natural Nylon	360 x 6	101	45	100	1500
8014748301215	SEL.2.430R	Natural Nylon	180 x 7,5	44	65	100	2500
8014748300942	SEL.2.432R		200 x 7,5	48	65	100	2500
8014748301222	SEL.2.431R		240 x 7,5	62	65	100	2000
8014748300348	SEL.2.433R		280 x 7,5	76	65	100	2000
8014748301888	SEL.2.438R		320 x 7,5	88	65	100	1500
8014748300355	SEL.2.434R		360 x 7,5	101	65	100	1500
8014748301239	SEL.2.435R		450 x 7,5	130	65	100	1500
8014748300362	SEL.2.436R		500 x 7,5	145	65	100	1500
8014748301246	SEL.2.437R		540 x 7,5	160	65	100	1500
8014748300379	SEL.2.441R		750 x 7,5	220	65	100	700
8014748301444	SEL.2.444R	Natural Nylon	430 x 9,0	118	80	50	1000
8014748301253	SEL.2.442R		550 x 9,0	160	80	50	1000
8014748301260	SEL.2.443R		780 x 9,0	235	80	50	500
8014748302687	SEL.2.454R		920 x 9,0	280	80	50	500
8014748302694	SEL.2.455R		1220 x 9,0	375	80	50	500
8014748301277	SEL.2.450R	Natural Nylon	250 x 12,5	62	120	50	1000
8014748301284	SEL.2.451R		500 x 12,5	140	120	50	500
8014748301291	SEL.2.452R		750 x 12,5	222	120	50	500
8014748301307	SEL.2.453R		1000 x 12,5	300	120	50	500

Natural Cable Ties

Packaged with head facing upwards – Box of 1,000 pieces



Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per box	PCS per carton
8014748302441	SEL.2.C02	Natural Nylon	100 x 2,5	24	11	1000	10000
8014748302458	SEL.2.C10		140 x 3,5	36	20	1000	8000
8014748302465	SEL.2.C23		200 x 4,5	51	28	1000	3000

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Standard packaging, Black

Pack of 100 pieces

Bar code	Code	Description	Size mm	Max bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748300539	SEL.3.201	Black Nylon	75 x 2,5	16	11	100	30000
8014748300546	SEL.3.202		100 x 2,5	24	11	100	30000
8014748300553	SEL.3.203		135 x 2,5	35	11	100	25000
8014748301048	SEL.3.204		160 x 2,5	40	11	100	20000
8014748300560	SEL.3.205		200 x 2,5	55	11	100	20000

Bag of 100 pieces.

8014748300577	SEL.3.210	Black Nylon	140 x 3,5	36	20	100	20000
8014748300584	SEL.3.211		200 x 3,5	55	20	100	12000
8014748302472	SEL.3.215		225 x 3,5	65	20	100	12000
8014748300591	SEL.3.212		280 x 3,5	80	20	100	13000
8014748301314	SEL.3.214		360 x 3,5	103	20	100	8000

Pack of 100 pieces

8014748301086	SEL.3.220	Black Nylon	140 x 4,5	33	28	100	10000
8014748301123	SEL.3.221		160 x 4,5	38	28	100	10000
8014748300607	SEL.3.222		180 x 4,5	45	28	100	10000
8014748300614	SEL.3.223		200 x 4,5	51	28	100	10000
8014748301321	SEL.3.224		250 x 4,5	68	28	100	10000
8014748300621	SEL.3.425		280 x 4,5	76	28	100	10000
8014748300638	SEL.3.426		360 x 4,5	101	28	100	8000
8014748301161	SEL.3.427		380 x 4,5	110	28	100	7000
8014748301338	SEL.3.428		430 x 4,5	123	28	100	5000
8014748301895	SEL.3.447		360 x 6	101	45	100	3000

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Pack of 100 pieces



Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PC per bag	PCS per carton
8014748301345	SEL.3.430	Black Nylon	180 x 7,5	44	65	100	5000
8014748300966	SEL.3.432		200 x 7,5	48	65	100	5000
8014748301352	SEL.3.431		240 x 7,5	62	65	100	4000
8014748300645	SEL.3.433		280 x 7,5	76	65	100	4000
8014748301901	SEL.3.438		320 x 7,5	88	65	100	3000
8014748300652	SEL.3.434		360 x 7,5	101	65	100	3000
8014748301369	SEL.3.435		450 x 7,5	130	65	100	2500
8014748300669	SEL.3.436		500 x 7,5	145	65	100	2500
8014748301376	SEL.3.437		540 x 7,5	160	65	100	2500
8014748300676	SEL.3.441		750 x 7,5	220	65	100	1500

Pack of 50 pieces



8014748301451	SEL.3.444	Black Nylon	430 x 9,0	118	80	50	2000
8014748301383	SEL.3.442		550 x 9,0	160	80	50	2000
801474830139	SEL.3.443		780 x 9,0	235	80	50	1000
8014748302489	SEL.3.454		920 x 9,0	280	80	50	1000
8014748302496	SEL.3.455		1220 x 9,0	375	80	50	1000

Pack of 50 pieces



8014748301406	SEL.3.450	Black Nylon	250 x 12,5	62	120	50	2000
8014748301413	SEL.3.451		500 x 12,5	140	120	50	1000
8014748301420	SEL.3.452		750 x 12,5	222	120	50	1000
8014748301437	SEL.3.453		1000 x 12,5	300	120	50	1000

Pack of 1,000 pieces



	SEL.3.301	Black Nylon	75 x 2,5	16	11	1.000	60000
	SEL.3.302		100 x 2,5	24	11	1.000	50000
	SEL.3.303		135 x 2,5	35	11	1.000	40000
	SEL.3.304		160 x 2,5	40	11	1.000	40000
	SEL.3.305		200 x 2,5	55	11	1.000	30000

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Pack of 1,000 pieces 

Bar code	Code	Description	Size mm	Max bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
	SEL.3.310	Black Nylon	140 x 3,5	36	20	1.000	30000
	SEL.3.311		200 x 3,5	55	20	1.000	20000

Pack of 1,000 pieces 

	SEL.3.320	Black Nylon	140 x 4,5	33	28	1.000	20000
	SEL.3.321		160 x 4,5	38	28	1.000	20000
	SEL.3.322		180 x 4,5	45	28	1.000	15000
	SEL.3.323		200 x 4,5	51	28	1.000	10000

Small Packaging, Black

Bar code	Code	Description	Size mm	Max bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748300539	SEL.3.201R	Black Nylon	75 x 2,5	16	11	100	5000
8014748300546	SEL.3.202R		100 x 2,5	24	11	100	5000
8014748300553	SEL.3.203R		135 x 2,5	35	11	100	5000
8014748301048	SEL.3.204R		160 x 2,5	40	11	100	5000
8014748300560	SEL.3.205R		200 x 2,5	55	11	100	5000
8014748300577	SEL.3.210R	Black Nylon	140 x 3,5	36	20	100	5000
8014748300584	SEL.3.211R		200 x 3,5	55	20	100	5000
8014748302502	SEL.3.215R		225 x 3,5	65	20	100	5000
8014748300591	SEL.3.212R		280 x 3,5	80	20	100	5000
8014748301314	SEL.3.214R		360 x 3,5	103	20	100	4000
8014748301086	SEL.3.220R	Black Nylon	140 x 4,5	33	28	100	5000
8014748301123	SEL.3.221R		160 x 4,5	38	28	100	5000
8014748300607	SEL.3.222R		180 x 4,5	45	28	100	5000
8014748300614	SEL.3.223R		200 x 4,5	51	28	100	5000
8014748301321	SEL.3.224R		250 x 4,5	68	28	100	5000
8014748300621	SEL.3.425R		280 x 4,5	76	28	100	5000
8014748300638	SEL.3.426R		360 x 4,5	101	28	100	4000
8014748301161	SEL.3.427R		380 x 4,5	110	28	100	3500
8014748301338	SEL.3.428R		430 x 4,5	123	28	100	2500

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Small Packaging, Black

Bar code	Code	Description	Size mm	Max. bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748301895	SEL.3.447R	Black Nylon	360 x 6	101	45	100	1500
8014748301345	SEL.3.430R	Black Nylon	180 x 7,5	44	65	100	2500
8014748300966	SEL.3.432R		200 x 7,5	48	65	100	2500
8014748301352	SEL.3.431R		240 x 7,5	62	65	100	2000
8014748300645	SEL.3.433R		280 x 7,5	76	65	100	2000
8014748301901	SEL.3.438R		320 x 7,5	88	65	100	1500
8014748300652	SEL.3.434R		360 x 7,5	101	65	100	1500
8014748301369	SEL.3.435R		450 x 7,5	130	65	100	1500
8014748300669	SEL.3.436R		500 x 7,5	145	65	100	1500
8014748301376	SEL.3.437R		540 x 7,5	160	65	100	1500
8014748300676	SEL.3.441R		750 x 7,5	220	65	100	700
8014748301451	SEL.3.444R	Black Nylon	430 x 9,0	118	80	50	1000
8014748301383	SEL.3.442R		550 x 9,0	160	80	50	1000
8014748301390	SEL.3.443R		780 x 9,0	235	80	50	500
8014748302519	SEL.3.454R		920 x 9,0	280	80	50	500
8014748302526	SEL.3.455R		1220 x 9,0	375	80	50	500
8014748301406	SEL.3.450R	Black Nylon	250 x 12,5	62	120	50	1000
8014748301413	SEL.3.451R		500 x 12,5	140	120	50	500
8014748301420	SEL.3.452R		750 x 12,5	222	120	50	500
8014748301437	SEL.3.453R		1000 x 12,5	300	120	50	500

Black Cable Ties

Packaged with head facing upwards – Box of 1,000 pieces



Bar code	Code	Description	Size mm	Max bundle diameter	Average opening load, daN	PCS per box	PCS per carton
8014748302533	SEL.3.C02	Black Nylon	100 x 2,5	24	11	1000	10000
8014748302540	SEL.3.C10		140 x 3,5	36	20	1000	8000
8014748302557	SEL.3.C23		200 x 4,5	51	28	1000	3000

NOTES

Mean opening load in daN (1 daN $\approx$ 1 Kg)

The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50% $\pm$ 20%

Store at temperatures below 50° C.

The values set out in the specifications are guaranteed at 23° C $\pm$ 10% and 50% $\pm$ 20% R.H.

The load given is on reopening, in accordance with the MA C/01 method, not the breakage load of the body.

Any modifications to the product geometry will have no effect on the operation.

For chemical compatibility, the electrical properties and water absorption, refer to the general characteristics of nylon.

NATURAL NYLON CABLE TIE DISPLAY KIT

BAR CODE 8014748302731	Sizes included in the kit	PCS per bag	Packages per kit
	100 x 2,5	100	10
	135 x 2,5	100	10
	160 x 2,5	100	10
	200 x 2,5	100	10
	140 x 3,5	100	10
	200 x 3,5	100	10
	280 x 3,5	100	10
	200 x 4,5	100	10
	280 x 4,5	100	10
Code SEL.A.2			

Each pack carries the EAN bar code.

BLACK NYLON CABLE TIE DISPLAY KIT

BAR CODE 8014748302748	Sizes included in the kit	PCS per bag	Packages per kit
	100 x 2,5	100	10
	135 x 2,5	100	10
	160 x 2,5	100	10
	200 x 2,5	100	10
	140 x 3,5	100	10
	200 x 3,5	100	10
	280 x 3,5	100	10
	200 x 4,5	100	10
	280 x 4,5	100	10
Code SEL.A.3			

Each pack carries the EAN bar code.

Cable ties in special materials.

Heat-resistant cable ties in natural nylon for high-temperature applications

Resist heat up to a constant 130° C. Light colour in pale green shade.
Apply a safety factor of $8 \div 10$ at maximum operating temperature.
Minimum order: 10 cartons per size. Prices: list price +30%. **Calculated on the list price of black nylon cable ties.**
Order codes: replace the first digit of the code with the number 8. For example: SEL.2.201 – SEL.8.201.

UV-stabilized cable ties in black nylon - Non-self extinguishing (HB-UL 94)

For external applications. Resistant to temperatures of -40° to +65° C. Black.
Apply a safety factor of $8 \div 10$ at maximum operating temperature.
Minimum order: 10 cartons per size. Prices: list price +30%. **Calculated on the list price of black nylon cable ties.**
Order codes: replace the first digit of the code with the letters "UV". For example: SEL.2.201 – SEL.UV.201.

UV-stabilized cable ties in black nylon (V2-UL 94)

For external applications. Resistant to temperatures of -20° to +80° C. Black.
Apply a safety factor of $8 \div 10$ at maximum operating temperature.
Minimum order: 10 cartons per size. Prices: list price +30%. **Calculated on the list price of black nylon cable ties.**
Order codes: replace the first digit of the code with the letters "UVV2". For example: SEL.2.201 – SEL.UVV2.201.

UL94V-0 halogen-free, self extinguishing, fire-proof cable ties

Resistant to temperatures of -20° to +80° C - white.
Apply a safety factor of $8 \div 10$ at maximum operating temperature.
Conditions of sale: please contact our sales office.
Order codes: replace the first digit of the code with the letters "EC2". For example: SEL.2.201 – SEL.EC2.201.

Coloured nylon cable ties

Colours on request: indicate the RAL code. Colour availability: natural, black RAL9011, blue RAL5002, brown RAL8011, yellow RAL1021, grey RAL7035, grey RAL7001, green RAL6024, red RAL3000, purple RAL4005, ochre RAL8004, orange RAL2004, pink RAL3017, green RAL6004.
Minimum order: 10 cartons per size. Prices: list price +30%. **Calculated on the list price of black nylon cable ties.**
Order codes: please contact our sales office.

Polypropylene cable ties for aggressive chemical environments

Resistant to chemical agents, strong acids in particular. Natural colour – green tones.
Mechanical resistance :50% lower than normal cable ties.
Minimum order: 10 cartons per size. Prices: list price +30%. **Calculated on the list price of black nylon cable ties.**
Order codes: Add the letter "P" to the first digit of the code. For example: SEL.2.201 –SEL.P2.201.

Non-standard packaging:

- it is possible to order packs other than 100 and 1,000 pieces
- conditions of sale: please contact our sales office



SPECIAL PACKAGING

Special Box of Natural Cable Ties “small packaging for a wide range of cable ties”

BAR CODE 8014748302755	Description	PCS per bag	Bags per carton
	100 x 2,5	100	5
	200 x 2,5	100	5
	140 x 3,5	100	3
	200 x 3,5	100	3
	280 x 3,5	100	3
	250 x 4,5	100	3
	280 x 4,5	100	3
	360 x 4,5	100	3
	200 x 7,5	100	2
	360 x 7,5	100	2
Code SEL.A.10			

Each pack carries the EAN bar code.

Special Box of Black Cable Ties “small packaging for a wide range of cable ties”

BAR CODE 8014748302762	Description	PCS per bag	Bags per carton
	100 x 2,5	100	5
	200 x 2,5	100	5
	140 x 3,5	100	3
	200 x 3,5	100	3
	280 x 3,5	100	3
	250 x 4,5	100	3
	280 x 4,5	100	3
	360 x 4,5	100	3
	200 x 7,5	100	2
	360 x 7,5	100	2
Code SEL.A.11			

Each pack carries the EAN bar code.



SPECIAL PACKAGING

Natural/Black Cable Tie Kit – Fastening Pliers

BAR CODE 8014748302779	Description	PCS per bag	Bags per kit
	100 x 2,5 natural	100	2
	100 x 2,5 black	100	2
	140 x 3,5 natural	100	1
	140 x 3,5 black	100	1
	180 x 4,5 natural	100	2
	180 x 4,5 black	100	2
	Plier for cable ties (PIN.004)	1	
Code SEL.A.12			

Each pack carries the EAN bar code.



Coloured Nylon Cable Ties – usually available from stock – Smaller packaging

Bar code	Code	Description	Size mm	Max bundle diameter	Average opening load, daN	PCS per bag	PCS per carton
8014748302786	SEL.10.202R	Nylon RED RAL3000 	100 x 2,5	24	11	100	5000
8014748302793	SEL.10.210R		140 x 3,5	36	20	100	5000
8014748302809	SEL.10.223R		200 x 4,5	51	28	100	5000
8014748302816	SEL.10.425R		280 x 4,5	76	28	100	5000
8014748302823	SEL.11.202R	Nylon BLUE RAL5002 	100 x 2,5	24	11	100	5000
8014748302830	SEL.11.210R		140 x 3,5	36	20	100	5000
8014748302847	SEL.11.223R		200 x 4,5	51	28	100	5000
8014748302854	SEL.11.425R		280 x 4,5	76	28	100	5000
8014748302861	SEL.12.202R	Nylon GREEN RAL6024 	100 x 2,5	24	11	100	5000
8014748302878	SEL.12.210R		140 x 3,5	36	20	100	5000
8014748302885	SEL.12.223R		200 x 4,5	51	28	100	5000
8014748302892	SEL.12.425R		280 x 4,5	76	28	100	5000
8014748302908	SEL.14.202R	Nylon YELLOW RAL1021 	100 x 2,5	24	11	100	5000
8014748302915	SEL.14.210R		140 x 3,5	36	20	100	5000
8014748302922	SEL.14.223R		200 x 4,5	51	28	100	5000
8014748302939	SEL.14.425R		280 x 4,5	76	28	100	5000

Please refer to page 35 for any sizes and colours not included in this list. Unit price with charge of 30% included.

Methods of application and warning.

Application. When applying the cable ties, the preload value applicable at the time of use is of primary importance, and, successively, the value of the WORK LOAD, which should be chosen IN LINE WITH THE OPENING LOAD and WORK CONDITIONS (see note on page 60).

Work Load = Preload + Constant Load

Work Load = Opening load : Safety Factor

The minimum safety factor of 2 should be applied. Clearly, the higher the safety factor, the higher the number of ties needed. The correct application of a cable tie needs to take into account all the variables analysed up to this point and a precise evaluation of the applicative and load conditions imposed on the fixing over the course of time: vibrations, shock, heat expansion, etc. The safety factor should be kept at 10 in the presence of temperatures below 0°C or higher than 40°C.

We rely on the good sense of the user and their understanding that while nylon is a remarkable material, it is not without weaknesses. All our warnings will be futile should the ties be applied without the use of a tool capable of selecting and calibrating the preload force. Applying the ties manually or with normal pliers can easily lead to preload weights of 40-50 kg, which far exceed the opening loads of the ties more normally used in quantitative terms, i.e. in widths, of 2.5-3.5 and 4.5 mm. We can supply spring-loaded calibrating pliers developed to apply the correct preload force and maintain it constant for multiple applications. In addition, these pliers enable the user to precision cut the unused part of the tie without leaving any jagged edges, which, successively, could be a cause of injury to the hands of anyone working in the area cabled previously.

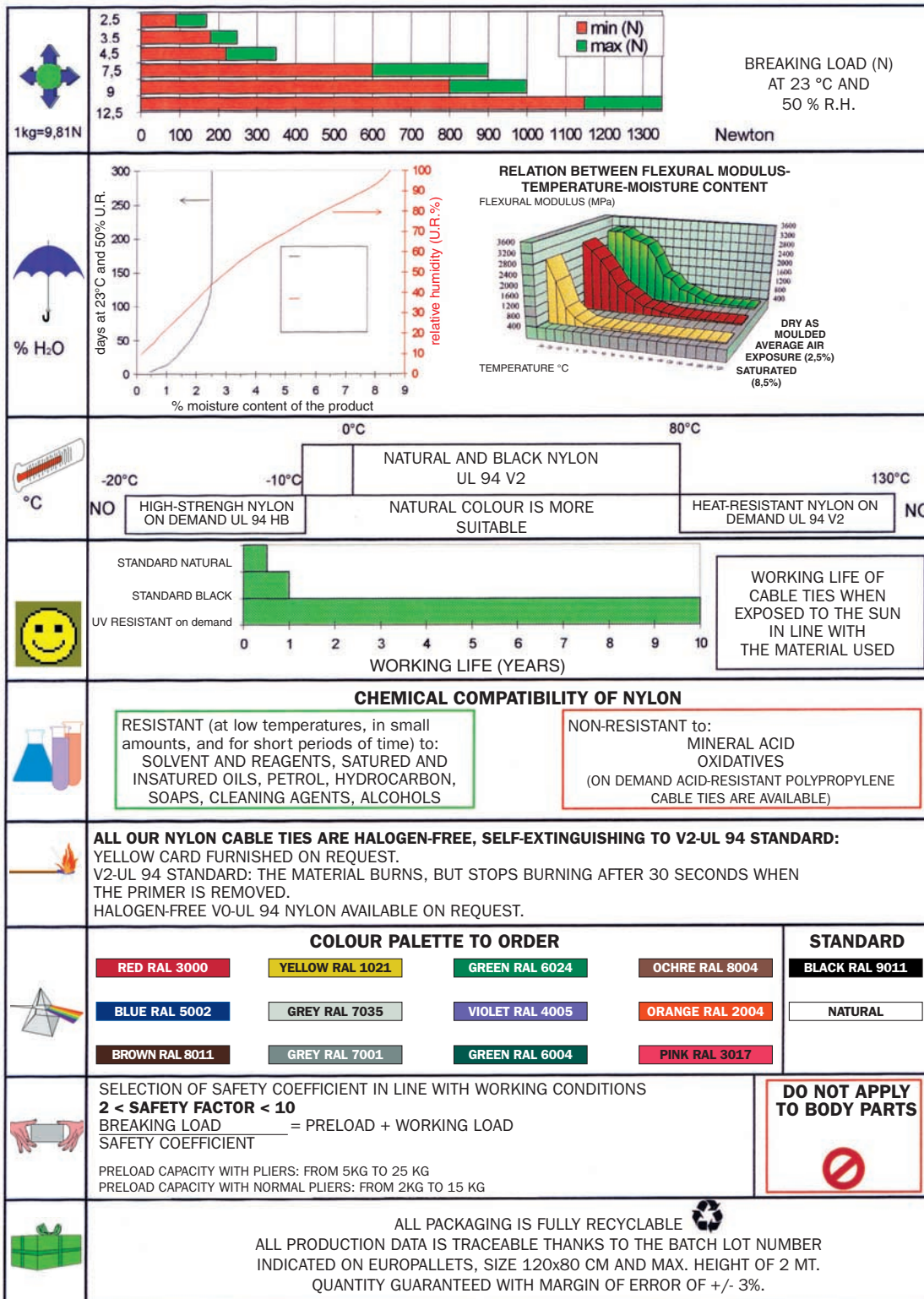
Important: When used within the limits indicated, our cable ties have unlimited temporal duration regardless of whether the pack is used open or closed. The oxygen present in the air gradually turns the surface of the product yellow, but this is a natural phenomenon common to all plastic materials and does not compromise either the use or the quality of the product.

Warning: It is important to remember that, once fastened, a cable tie is difficult to reopen, unless a robust pair of pliers or scissors are used. **THEREFORE IT IS DANGEROUS TO FASTEN THE CABLE TIE AROUND PARTS OF THE HUMAN BODY OR LET THE PRODUCT BE HANDLED BY UNQUALIFIED PERSONS OR BY CHILDREN.**

Key technical information.

Reaction to Physical and Chemical Factors.

TECHNICAL NOTE ABOUT CABLE TIES



The values indicated are guaranteed at 23°C + 10% R.H. + 20%. Under different conditions, use an adequate safety coefficient.

Chart indications for correct cable tie selection.

To ensure safe, enduring wire management and to reduce costs and product waste to a minimum, the cable ties must be applied correctly. That means it is necessary to establish the most suitable size of cable tie application, using the chart below.

Once the work load and diameter of the anchorage has been identified, match the two values with those indicated in the chart to find which coloured area corresponds to the most suitable size of cable tie.

The chart has been constructed based on a safety factor of 2. For example, a work load of 15 kg and a fixing diameter of 70 mm is covered by the yellow area on the chart, identifying the correct cable tie size as 280 x 7.5 mm.

Cable tie width

12.5 mm

9 mm

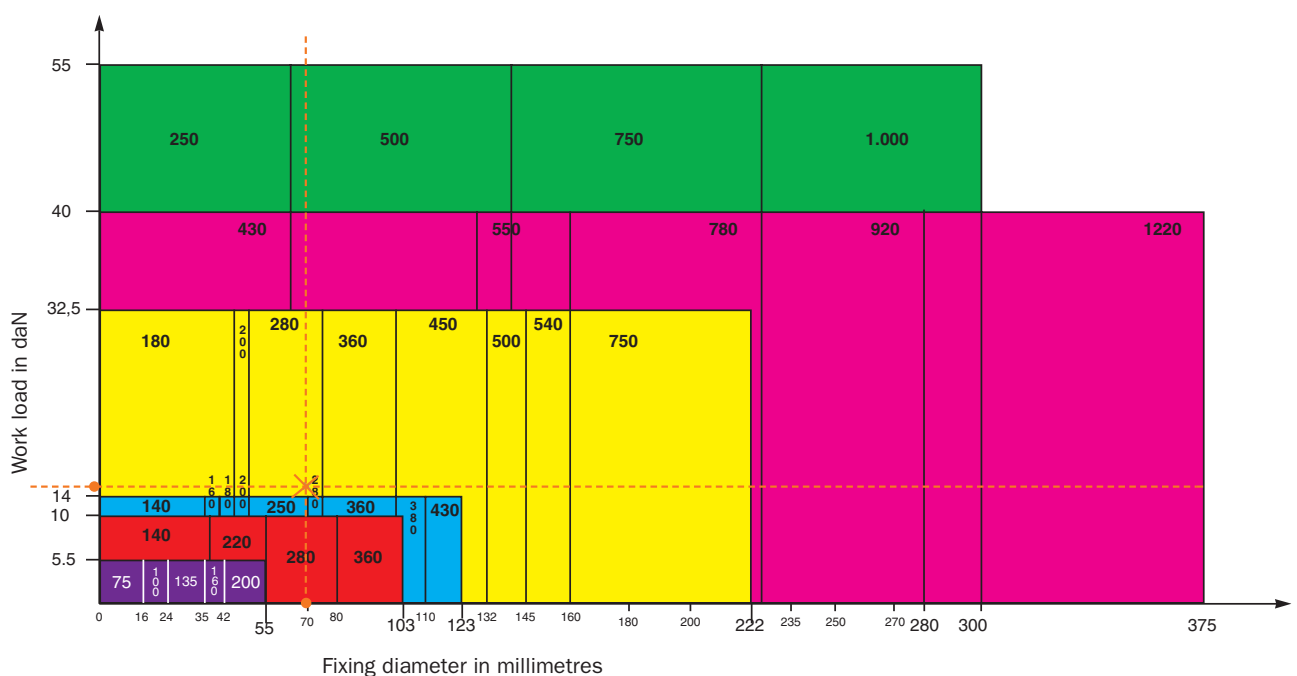
7.5 mm

4.5 mm

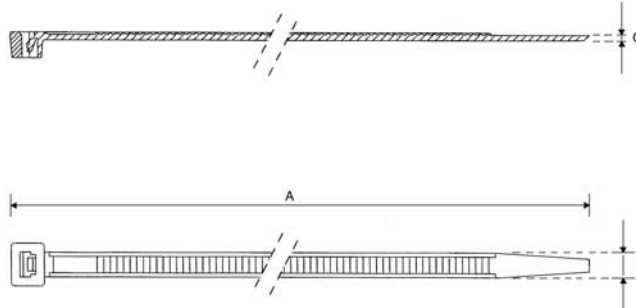
3.5 mm

2.5 mm

1 kg corresponds to 1 daN



Technical specifications for standard cable ties.



Technical characteristics

PROPERTIES	SAPISELCO METHOD	U.M.	2,5	3,5	4,5	6	7,5	9,0	12,5
OPENING LOAD	MAF/06	dan	[9 , 17]	[18 , 25]	[22 , 35]	[40 , 50]	[54 , 90]	[80 , 100]	[115 , 135]
FRAGILITY	MAF/02-b	°C	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]
MINIMUM APPLICATION TEMPERATURE	MAF/03	°C	-25	-25	-15	-15	-15	-15	-15
RESISTANCE TIME TO AN APPLIED FLAME	MAF/08	S	<5	5	10	10	20	20	30
RESISTANCE TO AN APPLIED FLAME	MAF/05 as per UL 94 Standard	/	V2	V2	V2	V2	V2	V2	V2

Nominal dimensions

MEASUREMENT	UM	DIMENSIONAL TOLERANCES	DATA						
SIZE		± 5%	2,5	3,5	4,5	6	7,5	9,0	12,5
C - THICKNESS (min - max)	mm	± 5%	1,08 ; 1,10	1,10 ; 1,40	1,30 ; 1,50	1,7	1,80 ; 2,0	2,0	2,0
A - LENGTH		± 2%	75 100 135 160 200	140 200 225 280 360	140 160 180 200 250 280 360 380 430	360	180 200 240 280 320 360 450 500 540 750	430 550 780 920 1220	250 500 750 1000

All the measurements and diameters in this price list are expressed in millimetres
The work loads are expressed in daN (1 daN $\approx$ 1 Kg).
The figures given are mean values taken at 23° C $\pm$ 10% and R.H. 50%