

Part Number	Colour	Length (mm)	Width (mm)	Max. Bundle Diameter (mm)	Tensile Strength (kg)
CT160SB	Black	160	4.5	38	22
CT190SB	Black	180	4.5	38	22
CT200SB	Black	200	4.5	51	22
CT280SB	Black	280	4.5	76	22
CT370SB	Black	360	4.5	101	22
CT430SB	Black	430	4.5	123	22

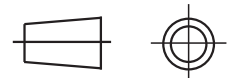
NOTES

1. Mean opening load in daN (1 daN = 1kg)
2. The figures given are mean values taken at 23°C ±10% and R.H. 50%
3. Raw material does not contain halogen
4. Self extinguishing



PART NAME	NYLON CABLE TIES	APPROVED	LIANA	N	MATERIAL	WEATHER RESISTANT NYLON 66 (UL 94 V2)
		CHECK				
PART NO.	CT160SB TO CT430SB	DRAW	LIANA		SHEET	1/5

DATE	DRAW	APPROVED	ECN NO.
1/02/2021	LIANA	ALEX	



Technical Characteristics								
Properties	Sapiselco Method	U.M.	2.5	3.5	4.5	7.5	9	12.5
Opening Load	MAF/06	dan	[9 , 17]	[18 , 25]	[22 , 35]	[54 , 90]	[80 , 100]	[115 , 135]
Fragility	MAF/02-b	°C	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]	[-12 , -6]
Minimum Application Temperature	MAF/03	°C	-25	-25	-15	-15	-15	-15
Resistance Time To An Applied Flame	MAF/08	S	<5	5	10	10	20	30
Resistance To An Applied Flame	MAF/05 As Per UL 94 Standard	/	V2	V2	V2	V2	V2	V2

Nominal Dimensions								
Measurement	UM	Dimensional Tolerances	Data					
Size	mm	± 5%	2.5	3.5	4.5	7.5	9	12.5
C - Thickness (Min - Max)		± 5%	1.08 ; 1.10	1.10 ; 1.40	1.30 ; 1.50	1.80 ; 2.0	2.0	2.0
A - Length		± 2%	100 200	140 200 280	160 180 200 280 360 430	200 320 360 540	780 920 1220 1330	500

NOTES

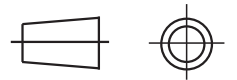
1. All the measurements in these tables are expressed in millimeters
2. The work loads are expressed in daN (1 daN = 1kg)
3. The figures given are mean values taken at 23°C ±10% and R.H. 50%

PART NAME	NYLON CABLE TIES	APPROVED	LIANA	N	MATERIAL	WEATHER RESISTANT NYLON 66 (UL 94 V2)
PART NO.		CHECK			SHEET	2/5
		DRAW	LIANA			

DATE	DRAW	APPROVED	ECN NO.
1/02/2021	LIANA	ALEX	













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Spec

Sapiselco Cable Ties have product certification and testing to the most rigid standards throughout the world including;

- IMQ
- Germanischer Lloyd
- Bureau Veritas
- RINA
- Lloyd's Register
- DNV (Det Norske Veritas)
- Military Standard (USA American Defense Dept)
- UL (Underwriters Laboratories USA)
- CE
- ROHS

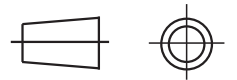
Certification Institute	Certificate Number
 IMQ	Certificates of approval for cable ties from n° CA0100073 to n° CA0100632
 Germanischer Lloyd	GL Type Approval Certificate n° 99173-96 HH
 Bureau Veritas	Certificate of Type Approval n° 09113/A1 BV file n° ACE 14/725/02
 RINA	Type Approval Certificate ELE 349307CS
 Lloyd's Register	LR Type Approval Certificate n° 00/00017
 Det Norske Ceritas	Type Approved Certificate n° E-6650
 Military Standard (USA) American Defense Dept.	Qualified Products List (QPL) 23190: 02635201.AD/9-16-14 Commercial and Government Entity (CAGE) Number: A9759
 Underwriters Laboratories (USA)	File E 160935
 Sapiselco s.r.l	CE Marking: Self-Certification
 ROHS - European Directive	Self-Declaration of Conformity
R.E.A.C.H	Self-Declaration of Conformity

PART NAME	NYLON CABLE TIES	APPROVED	LIANA	N	MATERIAL	WEATHER RESISTANT NYLON 66 (UL 94 V2)
PART NO.		CHECK			SHEET	3/5
		DRAW	LIANA			






DATE	DRAW	APPROVED	ECN NO.
1/02/2021	LIANA	ALEX	

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Features	
	Cable ties are made from Nylon 66, halogen free and are UL94V-2 Self-extinguishing
	Maximum cable diameter - the tip of the ties are straight. This design has been chosen to increase the admissible cable diameter to the maximum value
	Maximum identification - all cable ties are stamped on the underside with the symbol 2S
	Minimum impact on secured materials - the ties have rounded off edges to avoid damage to cables, etc
	Maximum efficiency - all racks reach the underside of the head to increase the minimum securing diameter

NOTES

Pacific Components major goal is to ensure total product reliability and full client satisfaction. We ensure that our cable ties are fully functional by having them go through the following tests;


- Minimum Operating Temperature Test.
- Dynamometer Test.
- Resistance Test.
- Self-Extinguishing Test.

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Minimum Operating Temperature Test

To test product functionality at minimum operating temperature.



 MAF / 03

Dynamometer Test

To measure the load when the product is reopened.




 MAF / 06

Resistance Test

Resistance time to an applied flame.



 MAF / 08

Self-Extinguishing Test

To test flame-retardant properties and ensure maximum safety levels.



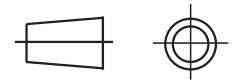
 MAF / 05 (UL 94)



PART NAME	NYLON CABLE TIES	APPROVED	LIANA	N	MATERIAL	WEATHER RESISTANT NYLON 66 (UL 94 V2)
		CHECK				
PART NO.		DRAW	LIANA		SHEET	4/5



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Data Sheet Comparison Of Materials

All the materials are halogen-free

Raw Material	Standard Nylon	U.V. Resistant V2 Nylon
Product	Cable Ties And Accessories	
Colour Availability	NATURAL AND BLACK	BLACK
Operating Temperature	-40°C - +85°C	-40°C - +85°C
Fire Resistance To UL94 Standards	V2	V2
Water Absorption At A Balance Of 23°C and 50% R.H.	2.5%	2.5%
Flexural Modulus	2750 MPa	3000 MPa
Chemical Resistance	Resistant to solvents and reagents, oil, petrol and hydrocarbons. When used at low temperatures, in low concentrations and for short periods of time Not resistant to mineral acids, oxidising agents.	
Elongation At Break	70%	40%
Shock Indent Impact	16 KJ/m2	15 KJ/m2
Applications	Internal Environment =20°C -50% R.H.	Outside Environment With Low Temperatures

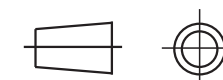


PART NAME	NYLON CABLE TIES	APPROVED	LIANA	N	MATERIAL	WEATHER RESISTANT NYLON 66 (UL 94 V2)
PART NO.		CHECK			SHEET	5/5
		DRAW	LIANA			

DATE	DRAW	APPROVED	ECN NO.
1/02/2021	LIANA	ALEX	



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