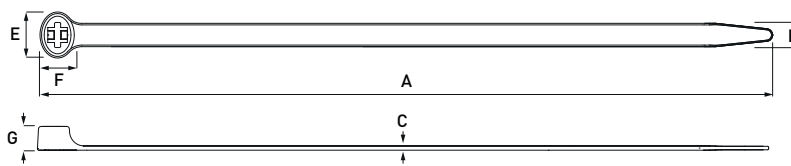


# 2-LOCK™ Cable tie with double metal tooth

Technical Data Sheet update to **19.02.2020** / pag. 1 of 1



## APPLICATION

**Installation temperature:**  
-40°C ÷ 60°C

**Working temperature:**  
-40°C ÷ 85°C

**Umidity absorption:**  
1,3% ÷ 1,5% (23°C - 50% R.H.)

## MATERIALS

**Material:** polyamide 6.6 (natural and black UV stabilized) with double tooth in stainless steel AISI 316 (cage)

**Material flammability rating:**  
UL 94-V2

**Halogen free**

**UV resistant** (black version)

**Excellent resistance to:**  
aromatic solvents, oils, greases, oil derivatives.

**Good resistance to:** bases

**Limited resistance to:** acids

**Not resistant to:**  
phenols and to chlorinated solvents.

## COLOURS

- Natural
- Black (UV resistant)

## APPROVALS / CERTIFICATIONS

**Omologations:**



DNV-GL TAE000000G



UL E86244



UL E86244

## EC Directives:

Material used to produces listed cable ties comply with EC Directives:

- 2000/53/EC (ELV)
- 2012/19/EC (WEEE)
- 2003/11/EC

## EN 45545-2:2013+A1:2015

(Black (UV resistant) 1303÷1327)

- ISO 4589-2:2017

The product complies with the test T01 requirements R22/R23 for HL1 and HL2

- ISO 5659-2:2017 ;NF X 70-100:2006

The product complies with the test T10.03 and T12 requirements R22/R23 for HL1 and HL2

## PATENTS:



DK2646338 (T3)  
US D695601 S1

Products are tested according to  
CEI EN 62275 - Cable Ties for  
Electrical Installation

## TECHNICAL DATA

CODE		NOMINAL DIMENSIONS						BUNDLE DIAMETER	
		mm	mm	mm	mm	mm	mm	mm	mm
Natural	Black	A	B	C	E	F	G	Ø min	Ø max
1203	1303	100	2,5	1	6,7	6	4	1,5	21
1207	1307	200	2,5	1	6,7	6	4	1,5	50
1209	1309	140	3,5	1,15	7,6	6	4,5	2	35
1210	1310	295	3,5	1,15	7,6	6	4,5	2	80
1210/20	1310/20	295	3,5	1,15	7,6	6	4,5	2	80
1214	1314	205	3,5	1,15	7,6	6	4,5	3	50
1214/20	1314/20	205	3,5	1,15	7,6	6	4,5	3	50
1215	1315	200	4,5	1,3	8,9	7	5,7	3	50
1215/20	1315/20	200	4,5	1,3	8,9	7	5,7	3	50
1216	1316	255	4,5	1,3	8,9	7	5,7	3	68
1217	1317	290	4,5	1,3	8,9	7	5,7	3,5	80
1217/20	1317/20	290	4,5	1,3	8,9	7	5,7	3,5	80
1219	1319	365	4,5	1,3	8,9	7	5,7	3,5	101
1219/20	1319/20	365	4,5	1,3	8,9	7	5,7	3,5	101
1225*	1325	220	7,5	1,5	14,2	10,9	8	10	55
1227	1327	360	7,5	1,5	14,2	10,9	8	12	100
1227/20	1327/20	360	7,5	1,5	14,2	10,9	8	12	100

## MECHANICAL FEATURES

## PACKAGING

CODE		Tensile strength**	Laboratory test results	Insertion effort	Bag	Box
Natural	Black	Newton (N)	Newton (N)	Newton (N)	pcs	pcs
1203	1303	150	190 ÷ 220	<10	100	15.000
1207	1307	150	190 ÷ 220	<10	100	8.000
1209	1309	250	280 ÷ 320	<10	100	7.000
1210	1310	250	280 ÷ 320	<10	100	4.500
1210/20	1310/20	250	280 ÷ 320	<10	20	1.000
1214	1314	250	280 ÷ 320	<10	100	7.000
1214/20	1314/20	250	280 ÷ 320	<10	20	1.000
1215	1315	360	400 ÷ 450	<10	100	4.000
1215/20	1315/20	360	400 ÷ 450	<10	20	1.000
1216	1316	360	400 ÷ 450	<10	100	4.500
1217	1317	360	400 ÷ 450	<10	100	3.500
1217/20	1317/20	360	400 ÷ 450	<10	20	1.000
1219	1319	360	400 ÷ 450	<10	100	3.000
1219/20	1319/20	360	400 ÷ 450	<10	20	700
1225*	1325	780	800 ÷ 900	<10	100	2.000
1227	1327	780	800 ÷ 900	<10	100	1.500
1227/20	1327/20	780	800 ÷ 900	<10	20	500

\*\* Please consider a suitable safety factor equal or above 2

\* Not DNV-GL certified

Width 4,5 mm: UL Listed - Width 3,5 mm: UL Recognized