



AMERICAN ELECTRICAL, INC.
INDUSTRIAL ELECTRICAL COMPONENTS

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PROFESSIONAL CABLE TIES, IN POLYAMIDE 6.6, HAVING AN INNOVATIVE DOUBLE LOCKING SYSTEM IN STAINLESS STEEL



EN 45545-2



E86244



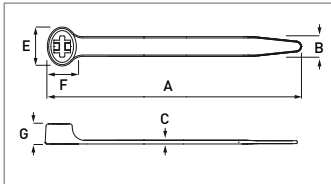
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COLORS

- Natural
- Black (UV resistant)

MATERIALS

Material: polyamide 6.6 natural and black UV stabilized

Halogen free

Material flammability rating:
UL 94-V2

Locking system: Cage with double tooth in stainless steel AISI 316

UV resistant: black version

Excellent resistance to: aromatic solvents, oils, greases and derivatives.

Good resistance to: bases

Limited resistance to: acids

Not resistant to:
phenols and to chlorinated solvents

APPLICATION

Installation temperature:
-40°F ÷ 140°F

Working temperature:
-40°F ÷ 185°F

APPROVALS / CERTIFICATIONS

EC Directives:

The materials used to produce the cable ties comply with EC Directives:
- 1907/2006/CE (REACH)

The materials are tested in accordance with EN 45545-2 «Railway applications - Fire protection on railway vehicles Part 2: Requirements for fire behavior of materials and components».

The materials are tested in accordance with IEC 60092-101 «Electrical installations in ships - Part 101: Definitions and general requirements».

Technical Data

CODE		NOMINAL DIMENSIONS						BUNDLE DIAMETER	
Natural	Black	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)
		A	B	C	E	F	G	ø min	ø max
EM1203	EM1303	3,94	0,10	0,04	0,26	0,24	0,16	0,06	0,83
EM1207	EM1307	7,87	0,10	0,04	0,26	0,24	0,16	0,06	1,97
EM1209	EM1309	5,51	0,14	0,04	0,30	0,24	0,18	0,08	1,38
EM1210	EM1310	11,42	0,14	0,05	0,30	0,24	0,18	0,08	3,15
EM1214	EM1314	7,87	0,14	0,04	0,30	0,24	0,18	0,12	1,97
EM1215	EM1315	7,87	0,18	0,05	0,35	0,28	0,22	0,12	1,97
EM1216	EM1316	9,84	0,18	0,05	0,35	0,28	0,22	0,12	2,68
EM1217	EM1317	11,42	0,18	0,05	0,35	0,28	0,22	0,14	3,15
EM1219	EM1319	14,17	0,18	0,05	0,35	0,28	0,22	0,14	3,98
EM1225*	EM1325	8,66	0,30	0,06	0,56	0,43	0,31	0,39	2,17
EM1227	EM1327	14,17	0,30	0,06	0,56	0,43	0,31	0,47	3,94

Mechanical features and packaging

CODE		MECHANICAL FEATURES	PACKAGING	
Natural	Black	Newton (N)	(pcs)	(pcs)
		Tensile strength**	Bag	Box
EM1203	EM1303	150	100	15.000
EM1207	EM1307	150	100	8.000
EM1209	EM1309	250	100	7.000
EM1210	EM1310	250	100	4.500
EM1214	EM1314	250	100	7.000
EM1215	EM1315	360	100	4.000
EM1216	EM1316	360	100	4.500
EM1217	EM1317	360	100	3.500
EM1219	EM1319	360	100	3.000
EM1225*	EM1325	780	100	2.000
EM1227	EM1327	780	100	1.500

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

* Not DNV certified

Width 0,18 inch: UL Listed - Width 0,14 inch: UL Recognized.

Product conformity:

The products are tested in accordance with CEI EN 62275 «Cable management systems - Cable ties for electrical installations».

The UV resistance of the products was tested according to ISO 4892-2 «Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps».

Patents:

DK2646338 (T3)
US D695601 S1