

UL

Lloyd's

CE

EN 50146

VG

UL94

Underwriter Laboratories "Recognized Components"

according to UL 1565 (File No. E220307)

Lloyd's Register EMEA Certificate No. 05/20039

CE Directive LDV 73/23/ECC - 93/68/EEG

Cenelec DIN-EN 50146 European standard for cable ties

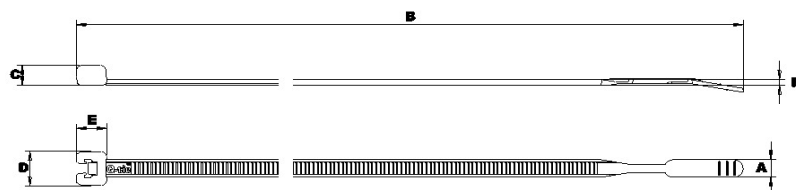
German Defence Equipment Standard

(Verteidigungsgerätenorm der Bundeswehr), certified by VDE

Flammability Test (Underwriter Laboratories)

Q-tie Cable ties are RoHS conform and free of halogens

Art.No.	Art.- Descr.	colours		Pcs./ Bag	Bags/ Carton	A	B	C	D	E	F	min. Bundle mm	max. Bundle mm	min. Tensile		Material			VG 95387-4
		BK	NA			mm	mm	mm	mm	mm	mm			N	lbs	PA 6.6	PA 4.6	UL94	
Standard material / Temperature range: -40 °C to +85 °C (short time up to +105°C)																			
101041	Q 26/ 105 BK	•		200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V2	E101B E101A
101042	Q 26/ 105 NA		•	200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V2	
101043	Q 26/ 155 BK	•		200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
101044	Q 26/ 155 NA		•	200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
101045	Q 26/ 195 BK	•		200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
101046	Q 26/ 195 NA		•	200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
101001	Q 26/ 105 BK	•		1'000	20	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V2	E101B E101A
101015	Q 26/ 105 NA		•	1'000	20	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V2	
101002	Q 26/ 155 BK	•		1'000	20	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
101016	Q 26/ 155 NA		•	1'000	20	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
101003	Q 26/ 195 BK	•		1'000	20	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
101017	Q26/ 195 NA		•	1'000	20	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
Weather stabilized / Temperature range: -40 °C to +85 °C (short time up to +105°C)																			
103041	Q 26/ 105 BK-WS	•		200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V2	
103043	Q 26/ 155 BK-WS	•		200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
103045	Q 26/ 195 BK-WS	•		200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
Heat stabilized / Temperature range: -40 °C to +105 °C (short time up to +135°C)																			
102041	Q 26/ 105 BK-HS	•		200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	29	•		V2	
102043	Q 26/ 155 BK-HS	•		200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V2	
102045	Q 26/ 195 BK-HS	•		200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V2	
High temperature/ Temperature range: -40 °C to +150 °C																			
104041	Q 26/ 105 BK-HT	•		200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18		•	V2	
104043	Q 26/ 155 BK-HT	•		200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18		•	V2	
104045	Q 26/ 195 BK-HT	•		200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18		•	V2	
Self-extinguishing / (UL in preperation) temperature range: -40°C to +85°C (short time up to +105°C)																			
105042	Q 26/ 105 NA-V0		•	200	200	2.6	105.0	3.7	5.0	4.5	1.0	2.0	24.0	80	18	•		V0	
105044	Q 26/ 155 NA-V0		•	200	160	2.6	155.0	3.7	5.0	4.5	1.0	2.0	40.0	80	18	•		V0	
105046	Q 26/ 195 NA-V0		•	200	130	2.6	195.0	3.7	5.0	4.5	1.0	2.0	50.0	80	18	•		V0	



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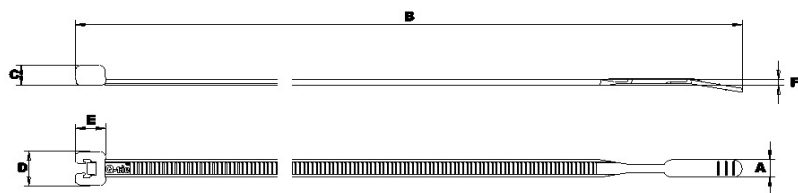
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Flammability Test (Underwriter Laboratories)

Q-tie Cable ties are RoHS conform and free of halogens

Art.No.	Art.- Descr.	colours		Pcs./ Bag	Bags/ Carton	A mm	B mm	C mm	D mm	E mm	F mm	min. Bundle mm	max. Bundle mm	min. Tensile		Material			VG 95387-4	
		BK	NA											N	lbs	PA 6.6	PA 4.6	UL94		
Standard material/ temperature range: -40 °C to +85 °C (short time up to +105°C)																				
101004	Q 36/ 160 BK	•		100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2	E102B	
101018	Q 36/ 160 NA		•	100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2		
101005	Q 36/ 200 BK	•		100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2	E102A	
101019	Q 36/ 200 NA		•	100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2		
101006	Q 36/ 250 BK	•		100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2	E103B	
101020	Q 36 /250 NA		•	100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2		
101007	Q 36/ 300 BK	•		100	120	3.6	300.0	4.6	7.0	5.8	1.3	3.0	82.0	130	29	•		V2	E103A	
101021	Q 36/ 300 NA		•	100	120	3.6	300.0	4.6	7.0	5.8	1.3	3.0	82.0	130	29	•		V2		
101035	Q 36/ 160 BK	•		1'000	20	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2	E102B	
101036	Q 36/ 160 NA		•	1'000	20	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2		
101037	Q 36/ 200 BK	•		1'000	20	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2	E102A	
101038	Q 36/ 200 NA		•	1'000	20	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2		
101039	Q 36/ 250 BK	•		1'000	15	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2	E102A	
101040	Q 36/ 250 NA		•	1'000	15	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2		
Weather stabilized / temperature range: -40 °C to +85 °C (short time up to +105°C)																				
103004	Q 36/ 160 BK-WS	•		100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2		
103005	Q 36/ 200 BK-WS	•		100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2		
103006	Q 36/ 250 BK-WS	•		100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2		
103007	Q 36/ 300 BK-WS	•		100	120	3.6	300.0	4.6	7.0	5.8	1.3	3.0	82.0	130	29	•		V2		
Heat stabilized / Temperature range: -40 °C to +105 °C (short time up to +135°C)																				
102004	Q 36/ 160 BK-HS	•		100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V2		
102005	Q 36/ 200 BK-HS	•		100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V2		
102006	Q 36/ 250 BK-HS	•		100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V2		
102007	Q 36/ 300 BK-HS	•		100	120	3.6	300.0	4.6	7.0	5.8	1.3	3.0	82.0	130	29	•		V2		
High temperature/ Temperature range: -40 °C to +150 °C																				
104004	Q 36/ 160 BK-HT	•		100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29		•	V2		
104005	Q 36/ 200 BK-HT	•		100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29		•	V2		
104006	Q 36/ 250 BK-HT	•		100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29		•	V2		
Self-extinguishing / (UL in preperation) temperature range: -40°C to +85°C (short time up to +105°C)																				
105018	Q 36/ 160 NA-V0		•	100	200	3.6	160.0	4.6	7.0	5.8	1.3	3.0	38.0	130	29	•		V0		
105019	Q 36/ 200 NA-V0		•	100	150	3.6	200.0	4.6	7.0	5.8	1.3	3.0	50.0	130	29	•		V0		
105020	Q 36/ 250 NA-V0		•	100	130	3.6	250.0	4.6	7.0	5.8	1.3	3.0	65.0	130	29	•		V0		
105021	Q 36/ 300 NA-V0		•	100	120	3.6	300.0	4.6	7.0	5.8	1.3	3.0	82.0	130	29	•		V0		



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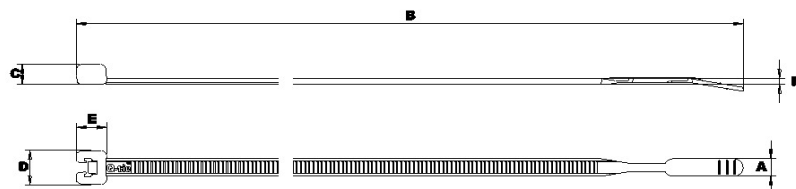
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		BK	NA											N	lbs	PA 6.6	PA 4.6	UL94		
Standard material/ temperature range: -40 °C to +85 °C (short time up to +105°C)																				
101009	Q 47/ 210 BK	•		100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50	•		V2	E104B	
101023	Q 47/ 210 NA		•	100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50	•		V2	E104A	
101010	Q 47/ 290 BK	•		100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50	•		V2	E105B	
101024	Q 47/ 290 NA		•	100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50	•		V2	E105A	
101011	Q 47/ 410 BK	•		100	60	4.7	410	5.4	9.0	7.7	1.4	20.0	110.0	220	50	•		V2	E106B	
101025	Q 47/ 410 NA		•	100	60	4.7	410	5.4	9.0	7.7	1.4	20.0	110.0	220	50	•		V2	E106A	
Weather stabilized / temperature range: -40 °C to +85 °C (short time up to +105°C)																				
103009	Q 47/ 210 BK-WS	•		100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50	•		V2		
103010	Q 47/ 290 BK-WS	•		100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50	•		V2		
103011	Q 47/ 410 BK-WS	•		100	60	4.7	410	5.4	9.0	7.7	1.4	20.0	110.0	220	50	•		V2		
Heat stabilized / Temperature range: -40 °C to +105 °C (short time up to +135°C)																				
102009	Q 47/ 210 BK-HS	•		100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50	•		V2		
102010	Q 47/ 290 BK-HS	•		100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50	•		V2		
102011	Q 47/ 410 BK-HS	•		100	60	4.7	410	5.4	9.0	7.7	1.4	20.0	110.0	220	50	•		V2		
High temperature/ Temperature range: -40 °C to +150 °C																				
104009	Q 47/ 210 BK-HT	•		100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50		•	V2		
104010	Q 47/ 290 BK-HT	•		100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50		•	V2		
Self-extinguishing / (UL in preperation) temperature range: -40°C to +85°C (short time up to +105°C)																				
105023	Q 47/ 210 NA-V0		•	100	100	4.7	210	5.4	9.0	7.7	1.4	5.0	50.0	220	50	•		V0		
105024	Q 47/ 290 NA-V0		•	100	80	4.7	290	5.4	9.0	7.7	1.4	20.0	75.0	220	50	•		V0		
105025	Q 47/ 410 NA-V0		•	100	60	4.7	410	5.4	9.0	7.7	1.4	20.0	110.0	220	50	•		V0		



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		BK	NA											N	lbs	PA 6.6	PA 4.6	UL94	
Standard material/ Temperature range: -40 °C to +85 °C (short time up to +105°C)																			
101012	Q 77/ 300 BK	•		100	20	7.7	300	7.6	13.2	10.8	1.8	6.0	70.0	530	119	•		V2	E104B
101026	Q 77/ 300 NA		•	100	20	7.7	300	7.6	13.2	10.8	1.8	6.0	70.0	530	119	•		V2	E104A
101013	Q 77/ 420 BK	•		100	15	7.7	420	7.6	13.2	10.8	1.8	6.0	110.0	530	119	•		V2	E105B
101027	Q 77/ 420 NA		•	100	15	7.7	420	7.6	13.2	10.8	1.8	6.0	110.0	530	119	•		V2	E105A
101014	Q 77/ 520 BK	•		100	15	7.7	520	7.6	13.2	10.8	1.8	6.0	145.0	530	119	•		V2	E106B
101028	Q 77/ 520 NA		•	100	15	7.7	520	7.6	13.2	10.8	1.8	6.0	145.0	530	119	•		V2	E106A
Weather stabilized / Temperature range: -40 °C to +85 °C (short time up to +105°C)																			
103012	Q 77/ 300 BK-WS	•		100	20	7.7	300.0	7.6	13.2	10.8	1.8	6.0	70.0	530	119	•		V2	
103013	Q 77/ 420 BK-WS	•		100	15	7.7	420.0	7.6	13.2	10.8	1.8	6.0	110.0	530	119	•		V2	
103014	Q 77/ 520 BK-WS	•		100	15	7.7	520.0	7.6	13.2	10.8	1.8	6.0	145.0	530	119	•		V2	
Heat stabilized / Temperature range: -40 °C to +105 °C (short time up to +135°C)																			
102012	Q 77/ 300 BK-HS	•		100	20	7.7	300.0	7.6	13.2	10.8	1.8	6.0	70.0	530	119	•		V2	
102013	Q 77/ 420 BK-HS	•		100	15	7.7	420.0	7.6	13.2	10.8	1.8	6.0	110.0	530	119	•		V2	
102014	Q 77/ 520 BK-HS	•		100	15	7.7	520.0	7.6	13.2	10.8	1.8	6.0	145.0	530	119	•		V2	
High temperature/ Temperature range: -40 °C to +150 °C																			
104012	Q 77/ 300 BK-HT	•		100	20	7.7	300.0	7.6	13.2	10.8	1.8	6.0	70.0	530	119		•	V2	
104013	Q 77/ 420 BK-HT	•		100	15	7.7	420.0	7.6	13.2	10.8	1.8	6.0	110.0	530	119		•	V2	
104014	Q 77/ 520 BK-HT	•		100	15	7.7	520.0	7.6	13.2	10.8	1.8	6.0	145.0	530	119		•	V2	
Self-extinguishing / (UL in preperation) temperature range: -40°C to +85°C (short time up to +105°C)																			
105026	Q 77/ 300 NA-V0		•	100	20	7.7	300.0	7.6	13.2	10.8	1.8	6.0	70.0	530	119	•		V0	
105027	Q 77/ 420 NA-V0		•	100	15	7.7	420.0	7.6	13.2	10.8	1.8	6.0	110.0	530	119	•		V0	
105028	Q 77/ 520 NA-V0		•	100	15	7.7	520.0	7.6	13.2	10.8	1.8	6.0	145.0	530	119	•		V0	