













Standards Overview

CSA	Canadian Standards Association	Canada	
cUL	Canadian Underwriters Laboratories	Canada	
BV	Bureau Veritas	France	
DEF STAN	Defence Standard	Great Britain	
DNV	Det Norske Veritas	Norway	
E.D.F.	Electricité de France	France	
NF F	Norme Française Ferroviaire	France	
GL	Germanischer Lloyd	Germany	
LUL	London Underground Tested	Great Britain	
MIL	Military Specification	USA	
SAE - AMS	Society of Automotive Engineers - Aerospace Material Specifications	International	
EN IEC 61386	Elektroinstallationsrohrsysteme	International	
LR	Lloyd's Register	Great Britain	

Standards Overview

UL, UL224	Underwriters Laboratories (Yellow Card)	USA	
UR	Underwriters Laboratories Recognized Component	USA	
VDE	Verband der Elektrotechnik Elektronik Informationstechnik e.V.	Germany	
VG	Verteidigungsgerätenorm der Bundeswehr	Germany	
FIMKO	Soumalainen testaus- ja sertifiointiyritys	Finland	
DEMKO	Danske Elektriske Materialkontrol	Denmark	
NEMKO	Norges Elektriske Materiellkontroll	Norway	
SEMKO	Sveriges Elektriska Materielkontrol	Sweden	
KEMA KEUR	KEMA Quality B.V	The Netherlands	
cULus	Underwriters Laboratories	Canada, USA	
CEBEC	Comité Electrotechnique Belgic	Belgium	
ENEC	European Norms Electrical Certification	Europe	
DIN	Deutsches Institut für Normung	Germany	
PAN	Panvia Aircraft GmbH	Germany	

Standards for HellermannTyton Cable Ties

Type	Length	Width	UL/ UR	GL	BV	DNV	VG 95387 T04 PA66HS-Natur	VG 95387 T04 PA66W-Black	VG 95387 T04 PA66-Natural	SAE AS23190 (MIL MS 3367)	DIN EN 50146
T18S	83	2,3	● ¹	● ²		● ³			A106A	MS 3367-4 ²	● ⁴
T18R	100	2,5	● ¹	● ²	● ²	● ³	A201L	A106B	A106A	MS 3367-4 ²	● ⁴
T18RA	100	2,5	● ¹							MS 3367-4 ²	
T18ROS	100	2,5									● ⁴
T18I	140	2,5	● ¹		● ²	● ³					● ⁴
T18L	200	2,5	● ¹		● ²	● ³					● ⁴
T25L	240	2,8	● ¹	● ²	● ²						● ⁴
T25LL	330	2,8	● ¹	● ²	● ²						● ⁴
T30R	150	3,5	● ¹	● ²	● ²	● ³	A208L	A107B	A107A	MS 3367-5 ²	● ⁴
T30ROS	145	3,4									● ⁴
T30L	190	3,5	● ¹	● ²	● ²	● ³		A107B	A107A		● ⁴
T30LOS	200	3,4									● ⁴
T30LL	285	3,5	● ¹	● ²	● ²	● ³					● ⁴
T30LR	260	3,3			● ²						● ⁴
T40S	145	3,5									● ⁴
T40R	175	4,0	● ¹	● ²	● ²						● ⁴
T40I	290	4,0	● ¹								● ⁴
T40L	365	4,0	● ¹								● ⁴
T50S	150	4,6	● ¹	● ²	● ²	● ³					● ⁴
T50SOS	150	4,6									● ⁴
T50R	200	4,6	● ¹	● ²	● ²	● ³	A202L	A108B	A108A	MS 3367-1 ²	● ⁴
T50ROS	200	4,6									● ⁴
T50RDH	200	4,6	● ¹		● ²						
T50MOS	245	4,6									● ⁴
T50I	300	4,6	● ¹	● ²	● ²	● ³	A203L	A109B	A109A	MS 3367-7 ²	● ⁴
T50IDH	300	4,6	● ¹								
T50L	390	4,6	● ¹	● ²	● ²	● ³	A205L	A110B	A110A	MS 3367-2 ²	● ⁴
T50LOS	384	4,6									● ⁴
T50LDH	390	4,6	● ¹								
T50LL	445	4,6			● ²	● ³					● ⁴
T80R	210	4,7	● ¹	● ²	● ²		A202L				● ⁴
T80I	300	4,7	● ¹	● ²	● ²						
T80L	390	4,7	● ¹	● ²	● ²		A205L				
T120S	225	7,6	● ¹	● ²	● ²	● ³					● ⁴
T120I	300	7,6	● ¹		● ²						● ⁴
T120R	380	7,6	● ¹	● ²	● ²	● ³		A111B	A111A	MS 3367-3 ²	● ⁴
T120M	460	7,6		● ²	● ²	● ³					● ⁴
T120XM	600	7,6			● ²						● ⁴
T120L	760	7,6	● ¹		● ²	● ³		A112B	A112A	MS 3367-6 ²	● ⁴
T150R	365	7,6	● ¹	● ²	● ²		A204L				● ⁴
T150M	530	8,9	● ¹	● ²	● ²						● ⁴
T150L	820	8,9	● ¹	● ²	● ²						● ⁴
T150LL	925	8,9	● ¹		● ²						● ⁴
T150XL	1095	8,9	● ¹		● ²						● ⁴
T150XLL	1325	8,9	● ¹		● ²						● ⁴
T250S	225	12,5	● ¹		● ²						
T250R	520	12,5	● ¹		● ²						
T250M	565	12,5	● ¹		● ²						
T250I	725	12,5	● ¹		● ²						
T250L	880	12,5	● ¹		● ²						
T250XL	1030	12,5	● ¹								
T255S	225	12,5	● ¹								
T255R	520	12,5	● ¹								
T255M	565	12,5	● ¹								
LK2	120	4,8		● ²	● ²						
LK2A	270	4,6	● ¹	● ²	● ²	● ³					
LK5	535	13,2	● ¹	● ²							

Type	Length	Width	UL/UR	GL	BV	VG 95387 T04 PA66W-Black	VG 95387 T04 PA66-Natural	E.D.F.
PE180	180	9,0		● ²	● ²			HN-33-S-62/97
RPE275	275	9,0						HN-33-S-62/97
RPE350	350	9,0						HN-33-S-62/97
PE530	535	9,0			● ²			HN-33-S-62/97
LPH175	175	9,0			● ²			
LPH275	100	2,5			● ²			
LPH350	100	2,5			● ²			
CTT20R	100	2,5	● ¹					
CTT60R	205	4,7	● ¹					
LRT230	230	7,6			● ³			
RLT120	340	7,6		● ²	● ²			
RLT150	770	8,9		● ²	● ²			
REL100	100	6,5	● ¹					
REL140	140	7,5	● ¹					
REL250	250	7,5	● ¹					
RT40R	217	3,9	● ¹					
RELK2R	200	4,6			● ²			
RELK2M	250	4,6			● ²			
RELK2I	300	4,6			● ²			
RELK2L	350	4,6			● ²			
RT50R	140	8,6	● ¹					
RT50S	165	4,6	● ¹					
RT250S	230	12,5	● ¹		● ²			
RT250R	516	12,5	● ¹		● ²			
RT250M	570	12,5	● ¹		● ²			
RT250I	729	12,5	● ¹					
RT250L	878	12,5	● ¹					
RT250XL	1025	12,5	● ¹					
T18MR	110	2,3	● ¹			B001B	B001A	
IT18R	102	2,3	● ¹					
IT18FL	111	2,3	● ¹					
T30MR	160	3,5	● ¹			B002B	B002A	
T30RSF	165	3,5	● ¹					
IT50RT	203	4,7	● ¹					
IT50L	381	4,7	● ¹					
T50ML	400	4,6	● ¹					
T50MR	215	4,6	● ¹			B004B	B004A	
T50MS	160	4,6	● ¹					
IT50R	203	4,7	● ¹					
T50RSF	216	4,6	● ¹					
T120MR	400	7,6	● ¹			B005B	B005A	
KR6/18	180	6,0		● ²				
KR6/35	350	6,0		● ²				
KR8/21	210	8,0		● ²				
KR8/33	330	8,0		● ²				

¹ Polyamide 6.6 (PA66), Polyamid 6.6 UV Resistant (W) black

² Polyamide 6.6 (PA66) natural, Polyamid 6.6 UV Resistant (W) black

³ Polyamide 6.6 (PA66) natural, Polyamide 6.6 Heat stabilised (HS) natural, Polyamide 6.6 UV Resistant (W) black

⁴ Polyamide 6.6 (PA66), Polyamid 6.6 Heat stabilised (HS) all colours and Polyamide UV Resistant (W)

Subject to changes.

HellermannTyton UL-File Nr.:

E 64 13 9

E 64 96 2

E 64 96 3

E 65 34 4

E 85 31 9

E 19 38 18

HellermannTyton product standards

Type	Length	Width	GL	BV	DNV	DEF STAN
MAT8SS7	230	7.0	● ⁷	● ⁷		
MAT12SS7	330	7.0	● ⁷	● ⁷		
MAT16SS7	430	7.0	● ⁷	● ⁷		
MAT24SS7	630	7.0	● ⁷	● ⁷		
MAT8SS12	230	12.0	● ⁷	● ⁷		
MAT12SS12	330	12.0	● ⁷	● ⁷		
MAT16SS12	430	12.0	● ⁷	● ⁷		
MAT24SS12	630	12.0	● ⁷	● ⁷		
MAT8SSC7	230	7.0	● ⁶			
MAT12SSC7	330	7.0	● ⁶			
MAT16SSC7	430	7.0	● ⁶			
MAT24SSC7	630	7.0	● ⁶			
MAT8SSC12	230	12.0	● ⁶			
MAT12SSC12	330	12.0	● ⁶			
MAT16SSC12	430	12.0	● ⁶			
MAT24SSC12	630	12.0	● ⁶			
MBT5S	127	4.6	● ⁷	● ⁷	● ⁷	
MBT8S	201	4.6	● ⁷	● ⁷	● ⁷	
MBT14S	362	4.6	● ⁷	● ⁷	● ⁷	
MBT20S	521	4.6	● ⁷	● ⁷	● ⁷	
MBT27S	681	4.6	● ⁷	● ⁷	● ⁷	
MBT33S	838	4.6	● ⁷	● ⁷	● ⁷	
MBT8H	201	7.9	● ⁷	● ⁷	● ⁷	
MBT14H	362	7.9	● ⁷	● ⁷	● ⁷	
MBT20H	521	7.9	● ⁷	● ⁷	● ⁷	
MBT27H	681	7.9	● ⁷	● ⁷	● ⁷	
MBT33H	838	7.9	● ⁷	● ⁷	● ⁷	
MBT14XH	362	12.3	● ⁷	● ⁷		
MBT20XH	521	12.3	● ⁷	● ⁷		
MBT27XH	681	12.3	● ⁷	● ⁷		
MBT33XH	838	12.3	● ⁷	● ⁷		
MLT8SS5	230	5.0		● ⁷		
MLT12SS5	330	5.0		● ⁷		
MLT16SS5	430	5.0		● ⁷		
MLT24SS5	630	5.0		● ⁷		
MLT8SS10	230	10.0		● ⁷		
MLT12SS10	330	10.0		● ⁷		
MLT16SS10	430	10.0		● ⁷		
MLT24SS10	630	10.0		● ⁷		
Protective Channel LFPC70	–	7.0				61-12/31
Protective Channel LFPC103	–	10.3				61-12/31
Protective Channel LFPC150	–	15.0				61-12/31

⁶ Stainless Steel Type 316 coated

⁷ Stainless Steel Type 316 uncoated

Subject to changes.

HellermannTyton UL-File Nr.:

E 14 35 29 E 19 80 23
E 19 80 24 E 20 40 71

Standards for HellermannTyton Heat Shrinkable Tubing

Type	UL224 AFT	UL224 VW1	CSA	MIL/SAE - AMS	VG 95343 T05	DEF STAN	LUL	NF F 00-608
TF21		●	●					●
TF31		●	●					
TF24				DTL-23053/5	●	●		
TCN20	●							
Viton®-E					●			
EPS-400				DTL-23053/4				
EPS-300				DTL-23053/4				
TK20		●		DTL-23053/8	●			
TK29		●						
TFE2								
TFE4								
TR27						59-97/3	E1042:A6	

Standards for HellermannTyton Cable Protection

Type	UR	FMVSS 302	UL94	NF F 16-101	DIN 5510-2	DIN VDE 0879-2
Helagaine HEGP		●	V2		●	
Helagaine HEGPX	●	●	V2		●	
Helagaine HEGPV0		●	V0	●	●	
Helagaine HEGPV0X	●	●	V0	●	●	
Helagaine HEGPA66		●	V2	●	●	
Helagaine HEGEMIP		●	V2			●
Helagaine HEGEMIPV0		●	V0			●
Helagaine HEGPL		●	V2			
HELAHOOK		●	V2	●		

Standards for HellermannTyton Identification Systems

Type	UL/UR	CSA	LUL
IT Ties	●		
Helatag Thermotransfer, Material 951	●		
Helatag Thermotransfer, Material 1204	●		
Helatag Thermotransfer, Material 1206	●		
TULT	●	●	
TIPTAG			RSE STD 013

Standards for HellermannTyton Application Tooling

Type	MIL	VG
MK7 Application Tool for Cable Ties	MS 90387-1	VG 95387-105
MK9 Application Tool for Cable Ties	MS 90387-2	VG 95387-105