

Certificates and Approvals.











HellermannTyton's cable bundling, fastening and fixing solutions conform to all the main international quality standards and industrial norms. To ensure quality and process reliability all products are regularly tested.

HellermannTyton are also committed to compliance with customer-specific manufacturing requirements. This is why our cable bundling and fastening solutions also adhere to the automotive industry's strict specifications.


5.1 Appendix

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Overview approvals

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	

Overview approvals

UL, UL224	Underwriters Laboratories (Yellow Card)	USA	
VDE	German Commission for Electrical, Electronic and Information Technologies of DIN and VDE	Germany	
VG	Verteidigungsgerätenorm der Bundeswehr	Germany	
FIMKO	Suomalainen testaus – ja sertifiointiyritys	Finland	
DEMKO	Danske Elektriske Materialekontrol	Denmark	
NEMKO	Norges Elektriske Materiellkontroll	Norway	
SEMKO	Sveriges Elektriska Materielkontroll	Sweden	
KEMA KEUR	KEMA Quality B.V	The Netherlands	
cULus	Underwriters Laboratories	Canada, USA	
CEBEC	Comité Electrotechnique Belgic	Belgium	

Standards for HellermannTyton Cable Ties

UL	Underwriters Laboratories (USA)	SAE	Society of Automotive Engineers (International)
GL	Germanischer Lloyd (Germany)	MIL	Military Specification (USA)
BV	Bureau Veritas (France)	DEF STAN	Defence Standard (Great Britain)
DNV	Det Norske Veritas (Norway)	E.D.F.	Electricité de France (France)
VG	German Defence Equipment Standard (Germany)	DIN EN	German Institute for Normes - European Norms (Germany)

Type	Length	Width	Standards								
			UL	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					● ⁶
T18R	100	2,5	● ¹	● ²	● ²	● ³	A201L	A106B	A106A	MS 3367-4 ²	● ⁶
T18RA	100	2,5	● ¹							MS 3367-4 ²	
T18ROS	100	2,5									● ⁶
T18I	140	2,5	● ¹		● ²	● ³					● ⁶
T18L	200	2,5	● ¹		● ²	● ³					● ⁶
T25L	240	2,8	● ¹	● ²	● ²						● ⁶
T25LL	330	2,8	● ¹	● ²	● ²						● ⁶
T30R	150	3,5	● ¹	● ²	● ²	● ³	A208L	A107B	A107A	MS 3367-5 ²	● ⁶
T30ROS	145	3,4									● ⁶
T30L	190	3,5	● ¹	● ²	● ²	● ³		A107B	A107A		● ⁶
T30LOS	200	3,4									● ⁶
T30LL	285	3,5	● ¹	● ²	● ²	● ³					● ⁶
T30LR	260	3,3			● ²		A207L				● ⁶
T40S	145	3,5									● ⁶
T40R	175	4,0	● ¹	● ²	● ²						● ⁶
T40I	290	4,0	● ¹								● ⁶
T40L	365	4,0	● ¹								● ⁶
T50S	150	4,6	● ¹	● ²	● ²	● ³					● ⁶
T50SOS	150	4,6									● ⁶
T50R	200	4,6	● ¹	● ²	● ²	● ³	A202L	A108B	A108A	MS 3367-1 ²	● ⁶
T50ROS	200	4,6									● ⁶
T50RDH	200	4,6	● ¹		● ²						
T50MOS	245	4,6									● ⁶
T50I	300	4,6	● ¹	● ²	● ²	● ³	A203L	A109B	A109A	MS 3367-7 ²	● ⁶
T50IDH	300	4,6	● ¹								
T50L	390	4,6	● ¹	● ²	● ²	● ³	A205L	A110B	A110A	MS 3367-2 ²	● ⁶
T50LOS	384	4,6									● ⁶
T50LDH	390	4,6	● ¹								
T50LL	445	4,6			● ²	● ³					● ⁶
T80R	210	4,7	● ¹	● ²	● ²		A202L				● ⁶
T80I	300	4,7	● ¹	● ²	● ²						
T80L	390	4,7	● ¹	● ²	● ²		A205L				
T120S	225	7,6	● ¹	● ²	● ²	● ³					● ⁶
T120I	300	7,6	● ¹		● ²						● ⁶
T120R	380	7,6	● ¹	● ²	● ²	● ³		A111B	A111A	MS 3367-3 ²	● ⁶
T120M	460	7,6		● ²	● ²	● ³					● ⁶
T120XM	600	7,6			● ²						● ⁶
T120L	760	7,6	● ¹		● ²	● ³		A112B	A112A	MS 3367-6 ²	● ⁶
T150R	365	7,6	● ¹	● ²	● ²		A204L				● ⁶
T150M	530	8,9	● ¹	● ²	● ²						● ⁶
T150L	820	8,9	● ¹	● ²	● ²						● ⁶
T150LL	925	8,9	● ¹		● ²						● ⁶
T150XL	1095	8,9	● ¹		● ²						● ⁶
T150XLL	1325	8,9	● ¹		● ²						● ⁶
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	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

Subject to changes

UL	Underwriters Laboratories (USA)	cULus	Underwriters Laboratories (Canada, USA)
LUL	London Underground (Great Britain)	FIMKO	Suomalainen testaus- ja sertifiointiyhtyys (Finland)
VG	German Defence Equipment Standard (Germany)	DEMKO	Danske Elektriske Materialekontrol (Denmark)
CSA	Canadian Standards Association (Canada)	NEMKO	Norges Elektriske Materielkontroll (Norway)
VDE	Verteidigungsgerätenorm der Bundeswehr (Germany)	SEMKO	Sveriges Elektriska Materielkontroll (Sweden)
UL94	Flammability Rating (USA)	KEMA KEUR	KEMA Quality B.V (Netherlands)
MIL	Military Specification (USA)	CEBEC	Comité Electrotechnique Belgic (Belgium)
DEF STAN	Defence Standard (Great Britain)	NF-F	Norme Française Ferroviaire (France)

Standards for HellermannTyton Braided Sleeving

Type	Approvals		Mat. tests
	UL	NF-F 16101/16102	UL94
Helagaine HEGPV0X	●		V0

Standards for HellermannTyton Helatag Thermal Transfer-Labels

Type	Approvals						Mat. tests
	UL	CSA	MIL	DEF STAN	LUL	VG	UL94
Helatag Thermotransfer, Material 951	●						
Helatag Thermotransfer, Material 1204	●						
Helatag Thermotransfer, Material 1206	●						

Standards for HellermannTyton Application Tools

Type	Standard	
	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

HellermannTyton UL-File Nr.:

E 14 35 29

E 19 80 23

E 19 80 24

Abbreviations Table for Product Materials and Colours

Abbreviation*	Material
ABS	Acrylonitrile Butadiene Styrene
ALU	Aluminium
AR	Acryl
CN	Cotton
CR	Chloroprene
EPDM	Ethylen-Propylen-Dien-Terpolymer-Rubber
FPM	Fluoroelastomer (Viton)
HIR	Polyamide 6.6 high impact modified
HIRHS	Polyamide 6.6 high impact modified, heat stabilised
HL	Halar
HS	Polyamide 6.6 heat stabilised
HSW	Polyamide 6.6 , heat stabilised and UV resistant on request
HV	Helvin
IIR	Butyl rubber
PA	Polyamide
PA11	Polyamide 11
PA12	Polyamide 12
PA46	Polyamide 4.6
PA6/PA66	Polyamide 6.6
PA66MP	Polyamide 6.6 with metal particles
PAP	Paper
PC	Polycarbonate
PE	Polyethylene
PEEK	PolyEtherEtherKetone
PEN	Polyethylenaphtalat
PET	Polyester
PEX	Polyolefin, cross-linked
PI	Polyimide
PK	Polyketone
PO	Polyolefin
POA	Elastomer modified
POM	Polyacetal
PP	Polypropylene
PPESB	Polyphenylenether, Polyesterene
PPMOD	Polypropylene, modified
PPO	Noryl
PS	Polystyrene
PTFE	Polytetrafluoroethylene (Teflon)
PUR	Polyurethane
PVC	Polyvinylchloride
PVDF	Polyvinylidene fluoride
SI	Silicone
SP	Saturised Polyester
SS	Stainless Steel
ST	Steel
TPE	Thermoplastisc Elastomer
TPU	Thermoplastic Polyurethane
TZ	Ethylenterafluorineethylene (Tefzel)
V0	Polyamide 6.6 Flamability according to UL94V0
W	Polyamide 6.6 UV resistant

*according to EN ISO 1043 Part 1 and ISO 1629

Abbreviation*	Colour
BK	Black
BN	Brown
BU	Blue
GD	Gold
GN	Green
GNYE	Green-Yellow
GY	Grey
OG	Orange
PK	Pink
RD	Red
SR	Silver
VT	Violet
WH	White

*according to DIN IEC 757

Abbreviation*	Colour
CL	Transparent
NA	Natural
YE	Yellow
BE	Beige
XX	Special colour
BV	Zinc-plated Metal
GC	Brass chromated
WC	White Chromated

*according to HellermannTyton