



Shrinkable Wire Markers: "Ladder Style", thermal transfer

• ShrinkTrak

Features and Benefits

HellermannTyton's ShrinkTrak 3:1 ratio heat shrinkable markers make it easy to identify wire and cable. The ladder-style function has been designed to enhance the user's ability to pick markers off the carrier. The side slits have been specifically designed to ensure that the wire entry gap is as large as possible whilst remaining on the carrier strip. This enables the user to quickly insert wire and cable into the marker. For a complete labelling solution, ShrinkTrak can be printed using HellermannTyton's Tagprint Pro professional label creation software, thermal transfer printers and ribbons to create a permanent print which is resistant to most solvents when shrunk and applied.

Versatile

- Flexible, flame retardant, heat shrinkable polyolefin material is used to manufacture these easy to use markers
- 3:1 shrink ratio enables a wide range of wire sizes to be covered
- Standard colours - yellow, white and black
- Larger pack options result in less box changes



Thermal Transfer Printer



ShrinkTrak ladderstyle markers with side slits for easy application.

Ease of use - Step by Step Guide



Bend liner at side slit

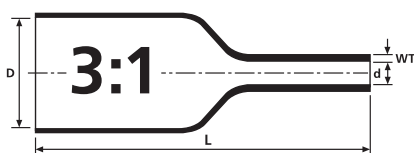


Pull marker away from the liner



ShrinkTrak Applied!

Material Data	
Material	Polyolefin, cross-linked (POX)
Colour	Black (BK), Yellow (YE), White (WH)
Shrink Ratio	3:1
Minimum Shrink Temperature	+90 °C
Operating Temperature	-55 °C to +135 °C
Recommended Ribbon Type	TTRC+, TTDTHOUT, TTRW
Dielectric Strength	19.7 kV/mm
Specification	UL-224 as +125C, 600V (VW-1), SAE-AS81531, AMS-DTL-23053/5 Class 1 and 3, CE



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Shrinkable Wire Markers: "Ladder Style", thermal transfer

• ShrinkTrak

Technical Table

Article-No.	Type	Colour	Markers per row	Length (L)	Pack Cont. (pcs)
HST 3-1 (3mm supplied, 1mm recovered)					
553-50002	HST3-1WH	White (WH)	1	48	250
553-50004	HST3-1WH-S	White (WH)	2	24	500
553-50005	HST3-1YE	Yellow (YE)	1	48	250
553-50007	HST3-1YE-S	Yellow (YE)	2	24	500
HST 4.8-1.6 (4.8mm supplied, 1.6mm recovered)					
553-50009	HST4.8-1.6WH	White (WH)	1	48	250
553-50011	HST4.8-1.6WH-S	White (WH)	2	24	500
553-50012	HST4.8-1.6YE	Yellow (YE)	1	48	250
553-50014	HST4.8-1.6YE-S	Yellow (YE)	2	24	500
HST 6-2 (6mm supplied, 2mm recovered)					
553-50016	HST6-2WH	White (WH)	1	48	250
553-50019	HST6-2WH-S	White (WH)	2	24	500
553-50020	HST6-2YE	Yellow (YE)	1	48	250
553-50022	HST6-2YE-S	Yellow (YE)	2	24	500
HST 9-3 (9mm supplied, 3mm recovered)					
553-50024	HST9-3WH	White (WH)	1	48	250
553-50025	HST9-3WH-S	White (WH)	2	24	500
553-50026	HST9-3YE	Yellow (YE)	1	48	250
553-50027	HST9-3YE-S	Yellow (YE)	2	24	500
HST 12-4 (12mm supplied, 4mm recovered)					
553-50029	HST12-4WH	White (WH)	1	48	250
553-50030	HST12-4WH-S	White (WH)	2	24	500
553-50031	HST12-4YE	Yellow (YE)	1	48	250
553-50032	HST12-4YE-S	Yellow (YE)	2	24	500
HST 18-6 (18mm supplied, 6mm recovered)					
553-50034	HST18-6WH	White (WH)	1	48	250
553-50035	HST18-6WH-S	White (WH)	2	24	500
553-50036	HST18-6YE	Yellow (YE)	1	48	250
553-50037	HST18-6YE-S	Yellow (YE)	2	24	500
HST 24-8 (24mm supplied, 8mm recovered)					
553-50039	HST24-8WH	White (WH)	1	48	250
553-50040	HST24-8WH-S	White (WH)	2	24	500
553-50041	HST24-8YE	Yellow (YE)	1	48	250
553-50042	HST24-8YE-S	Yellow (YE)	2	24	500

All dimensions in mm. Subject to technical changes.

← L →
48 mm



1

1 marker per row

← L → ← L →
24 mm 24 mm



2

2 markers per row



Thermal Transfer Printer



Shrinkable tubing 3:1, continuous, thermal transfer

- TULT, UL-listed

Features and Benefits

The TULT series of 3:1 self-extinguishing and highly flexible heat shrink tubing complies to Def-Stan 59-97 Type 2a, MIL-I-23053/5 Class 1, MIL-M-81531 (when printed with TTRC+ or TTRX), UL224 VW-1 and CSA. TULT covers a cable range from 24mm to 1mm.

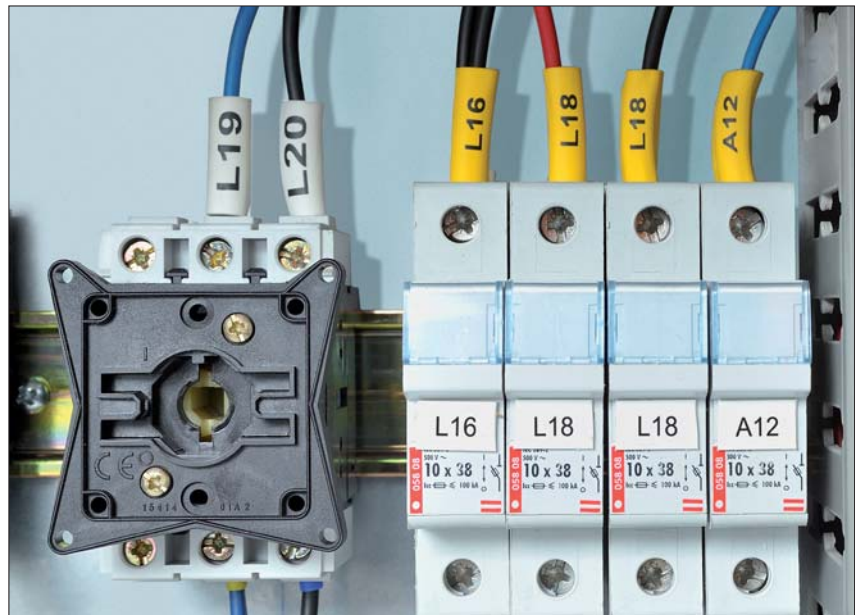
TULT is supplied in convenient boxes that enable the users to keep the tube dirt and dust free. This ensures an optimum printable surface. The especially flattened tube fits neatly into thermal printers.

TULT polyolefin compound has good mechanical strength and resistance to organic solvents and chemicals.

Special colours are available on request.



Thermal Transfer Printer



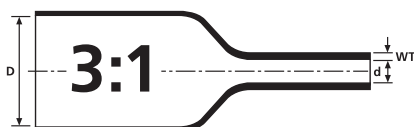
TULT - highly flexible heat shrink tubings in 5 colours and 8 sizes.

Material Data

Material	Polyolefin, cross-linked (POX)
Colour	White (WH), Yellow (YE), Red (RD), Blue (BU), Black (BK)
Shrink Ratio	3:1
Longitudinal change after shrinkage	-15% max.
Minimum Shrink Temperature	+90 °C
Dielectric Strength	19,7 kV/mm according to ASTM D 876
Operating Temperature	-55 °C to +135 °C
Recommended Ribbon Type	TTRC+, TTDTHOUT, TTRW, TT822OUT8
Specification	UL224 VW-1, CSA



Certifications please see Appendix.



Technical Table

Type	Supplied Ø D	Recov. Ø d	Wall (WT)
TULT3-1	3.0	1.0	0.60
TULT4.8-1.6	4.8	1.6	0.65
TULT6-2	6.0	2.0	0.70
TULT9-3	9.0	3.0	0.80
TULT12-4	12.0	4.0	0.85
TULT18-6	18.0	6.0	1.00
TULT24-8	24.0	8.0	1.20
TULT39-13	39.0	13.0	1.25

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Shrinkable tubing 3:1, continuous, thermal transfer

- TULT, UL-listed

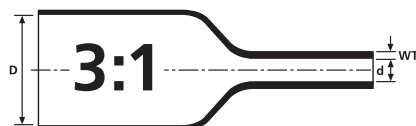
Technical Table

Article-No.	Type	Colour	Supplied Ø D	Recov. Ø d	Wall (WT)	Pack Cont.
553-40309	TULT3-1WH	White (WH)	3.0	1.0	0.60	22 m x 8
553-40304	TULT3-1YE	Yellow (YE)	3.0	1.0	0.60	22 m x 8
553-40302	TULT3-1RD	Red (RD)	3.0	1.0	0.60	22 m x 8
553-40306	TULT3-1BU	Blue (BU)	3.0	1.0	0.60	22 m x 8
553-40300	TULT3-1BK	Black (BK)	3.0	1.0	0.60	22 m x 8
553-40489	TULT4.8-1.6WH	White (WH)	4.8	1.6	0.65	22 m x 5
553-40484	TULT4.8-1.6YE	Yellow (YE)	4.8	1.6	0.65	22 m x 5
553-40482	TULT4.8-1.6RD	Red (RD)	4.8	1.6	0.65	22 m x 5
553-40486	TULT4.8-1.6BU	Blue (BU)	4.8	1.6	0.65	22 m x 5
553-40480	TULT4.8-1.6BK	Black (BK)	4.8	1.6	0.65	22 m x 5
553-40609	TULT6-2WH	White (WH)	6.0	2.0	0.70	22 m x 5
553-40604	TULT6-2YE	Yellow (YE)	6.0	2.0	0.70	22 m x 5
553-40602	TULT6-2RD	Red (RD)	6.0	2.0	0.70	22 m x 5
553-40606	TULT6-2BU	Blue (BU)	6.0	2.0	0.70	22 m x 5
553-40600	TULT6-2BK	Black (BK)	6.0	2.0	0.70	22 m x 5
553-40909	TULT9-3WH	White (WH)	9.0	3.0	0.80	18 m x 4
553-40904	TULT9-3YE	Yellow (YE)	9.0	3.0	0.80	18 m x 4
553-40902	TULT9-3RD	Red (RD)	9.0	3.0	0.80	18 m x 4
553-40906	TULT9-3BU	Blue (BU)	9.0	3.0	0.80	18 m x 4
553-40900	TULT9-3BK	Black (BK)	9.0	3.0	0.80	18 m x 4
553-41209	TULT12-4WH	White (WH)	12.0	4.0	0.85	18 m x 3
553-41204	TULT12-4YE	Yellow (YE)	12.0	4.0	0.85	18 m x 3
553-41202	TULT12-4RD	Red (RD)	12.0	4.0	0.85	18 m x 3
553-41206	TULT12-4BU	Blue (BU)	12.0	4.0	0.85	18 m x 3
553-41200	TULT12-4BK	Black (BK)	12.0	4.0	0.85	18 m x 3
553-41809	TULT18-6WH	White (WH)	18.0	6.0	1.00	13 m x 2
553-41804	TULT18-6YE	Yellow (YE)	18.0	6.0	1.00	13 m x 2
553-41802	TULT18-6RD	Red (RD)	18.0	6.0	1.00	13 m x 2
553-41806	TULT18-6BU	Blue (BU)	18.0	6.0	1.00	13 m x 2
553-41800	TULT18-6BK	Black (BK)	18.0	6.0	1.00	13 m x 2
553-42409	TULT24-8WH	White (WH)	24.0	8.0	1.20	13 m x 2
553-42404	TULT24-8YE	Yellow (YE)	24.0	8.0	1.20	13 m x 2
553-42402	TULT24-8RD	Red (RD)	24.0	8.0	1.20	13 m x 2
553-42406	TULT24-8BU	Blue (BU)	24.0	8.0	1.20	13 m x 2
553-42400	TULT24-8BK	Black (BK)	24.0	8.0	1.20	13 m x 2
553-43909	TULT39-13WH	White (WH)	39.0	13.0	1.25	10 m
553-43904	TULT39-13YE	Yellow (YE)	39.0	13.0	1.25	10 m
553-43902	TULT39-13RD	Red (RD)	39.0	13.0	1.25	10 m
553-43906	TULT39-13BU	Blue (BU)	39.0	13.0	1.25	10 m
553-43900	TULT39-13BK	Black (BK)	39.0	13.0	1.25	10 m

All dimensions in mm. Subject to technical changes.



Thermal Transfer Printer





Shrinkable tubing 3:1, continuous, thermal transfer

• TCGT

Features and Benefits

The TCGT series of 3:1 commercial grade yet highly flexible heat shrink tubing complies to CSA and covers a cable range from 39mm to 1mm.

TCGT is supplied in convenient boxes that enable the users to keep the tube dirt and dust free. This ensures an optimum printable surface. The especially flattened tube fits neatly into thermal printers.

TCGT polyolefin compound has good mechanical strength and resistance to organic solvents and chemicals.

Special colours are available on request.

For trouble-free printing we recommend our printing system TT4000+ and our label creation and printing software Tagprint Pro. If cut lengths are preferred a cutter S4000 and perforator P4000 are available as printer accessories.



Thermal Transfer Printer



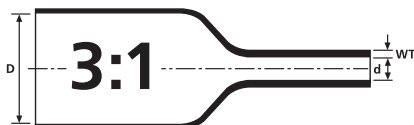
TCGT – 5 colours of printable tube to cover a wide range of diameters

Material Data		
Material	Polyolefin, cross-linked (POX)	
Colour	White (WH), Yellow (YE), Red (RD), Blue (BU), Black (BK)	
Shrink Ratio	3:1	
Longitudinal change after shrinkage	-15% max.	
Minimum Shrink Temperature	+90 °C	
Dielectric Strength	19,7 kV/mm according to ASTM D 876	
Operating Temperature	-55 °C to +135 °C	
Recommended Ribbon Type	TTRC+, TTDTHOUT, TTRW, TT822OUT8	
Specification	CSA	



Technical Table			
Type	Supplied Ø D	Recov. Ø d	Wall (WT)
TCGT3-1	3.0	1.0	0.60
TCGT4.8-1.6	4.8	1.6	0.65
TCGT6-2	6.0	2.0	0.70
TCGT9-3	9.0	3.0	0.80
TCGT12-4	12.0	4.0	0.85
TCGT18-6	18.0	6.0	1.00
TCGT24-8	24.0	8.0	1.20
TCGT39-13	39.0	13.0	1.25

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval.
For product specific approvals please refer to the Appendix.



Shrinkable tubing 3:1, continuous, thermal transfer

• TCGT

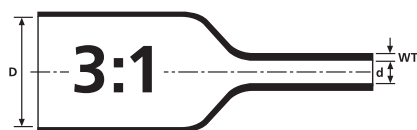
Technical Table

Article-No.	Type	Colour	Supplied Ø D	Recov. Ø d	Wall (WT)	Pack Cont.
553-30309	TCGT3-1WH	White (WH)	3.0	1.0	0.60	22 m x 8
553-30304	TCGT3-1YE	Yellow (YE)	3.0	1.0	0.60	22 m x 8
553-30302	TCGT3-1RD	Red (RD)	3.0	1.0	0.60	22 m x 8
553-30306	TCGT3-1BU	Blue (BU)	3.0	1.0	0.60	22 m x 8
553-30300	TCGT3-1BK	Black (BK)	3.0	1.0	0.60	22 m x 8
553-30489	TCGT4.8-1.6WH	White (WH)	4.8	1.6	0.65	22 m x 5
553-30484	TCGT4.8-1.6YE	Yellow (YE)	4.8	1.6	0.65	22 m x 5
553-30482	TCGT4.8-1.6RD	Red (RD)	4.8	1.6	0.65	22 m x 5
553-30486	TCGT4.8-1.6BU	Blue (BU)	4.8	1.6	0.65	22 m x 5
553-30480	TCGT4.8-1.6BK	Black (BK)	4.8	1.6	0.65	22 m x 5
553-30609	TCGT6-2WH	White (WH)	6.0	2.0	0.70	22 m x 5
553-30604	TCGT6-2YE	Yellow (YE)	6.0	2.0	0.70	22 m x 5
553-30602	TCGT6-2RD	Red (RD)	6.0	2.0	0.70	22 m x 5
553-30606	TCGT6-2BU	Blue (BU)	6.0	2.0	0.70	22 m x 5
553-30600	TCGT6-2BK	Black (BK)	6.0	2.0	0.70	22 m x 5
553-30909	TCGT9-3WH	White (WH)	9.0	3.0	0.80	18 m x 4
553-30904	TCGT9-3YE	Yellow (YE)	9.0	3.0	0.80	18 m x 4
553-30902	TCGT9-3RD	Red (RD)	9.0	3.0	0.80	18 m x 4
553-30906	TCGT9-3BU	Blue (BU)	9.0	3.0	0.80	18 m x 4
553-30900	TCGT9-3BK	Black (BK)	9.0	3.0	0.80	18 m x 4
553-31209	TCGT12-4WH	White (WH)	12.0	4.0	0.85	18 m x 3
553-31204	TCGT12-4YE	Yellow (YE)	12.0	4.0	0.85	18 m x 3
553-31202	TCGT12-4RD	Red (RD)	12.0	4.0	0.85	18 m x 3
553-31206	TCGT12-4BU	Blue (BU)	12.0	4.0	0.85	18 m x 3
553-31200	TCGT12-4BK	Black (BK)	12.0	4.0	0.85	18 m x 3
553-31809	TCGT18-6WH	White (WH)	18.0	6.0	1.00	13 m x 2
553-31804	TCGT18-6YE	Yellow (YE)	18.0	6.0	1.00	13 m x 2
553-31802	TCGT18-6RD	Red (RD)	18.0	6.0	1.00	13 m x 2
553-31806	TCGT18-6BU	Blue (BU)	18.0	6.0	1.00	13 m x 2
553-31800	TCGT18-6BK	Black (BK)	18.0	6.0	1.00	13 m x 2
553-32409	TCGT24-8WH	White (WH)	24.0	8.0	1.20	13 m x 2
553-32404	TCGT24-8YE	Yellow (YE)	24.0	8.0	1.20	13 m x 2
553-32402	TCGT24-8RD	Red (RD)	24.0	8.0	1.20	13 m x 2
553-32406	TCGT24-8BU	Blue (BU)	24.0	8.0	1.20	13 m x 2
553-32400	TCGT24-8BK	Black (BK)	24.0	8.0	1.20	13 m x 2
553-33909	TCGT39-13WH	White (WH)	39.0	13.0	1.25	10 m
553-33900	TCGT39-13YE	Yellow (YE)	39.0	13.0	1.25	10 m
553-33901	TCGT39-13RD	Red (RD)	39.0	13.0	1.25	10 m
553-33902	TCGT39-13BU	Blue (BU)	39.0	13.0	1.25	10 m
553-33903	TCGT39-13BK	Black (BK)	39.0	13.0	1.25	10 m

All dimensions in mm. Subject to technical changes.



Thermal Transfer Printer





Shrinkable tubing 2:1, continuous, thermal transfer

• TLFX

Features and Benefits

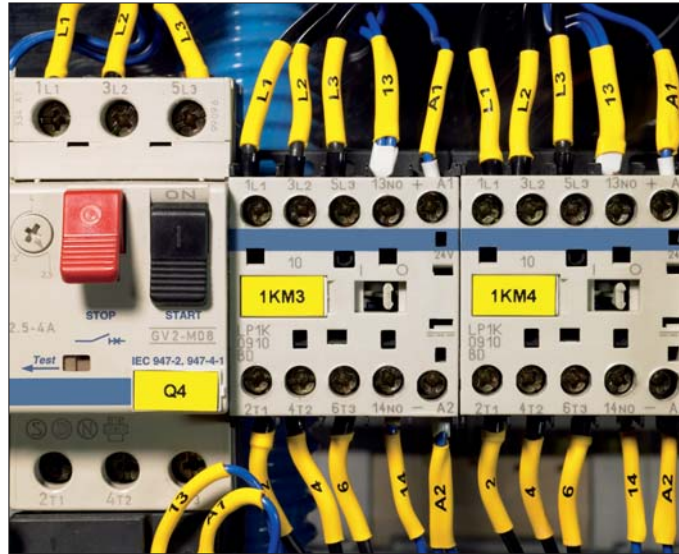
TLFX is a specially compounded Zero Halogen, thin walled, flexible heat shrink tubing which shrinks uniformly to form a permanent insulation. The tubing has excellent printable properties for identification purposes.

Application

TLFX is ideal for underground railway, marine, offshore and aerospace applications. Class leading mark permanence and clarity is achieved by using HellermannTyton's TrakMark DS and TT4000+ range of thermal printers with either TTDTHOUT (TTRX) or TTRC+ ribbons.



Thermal Transfer Printer



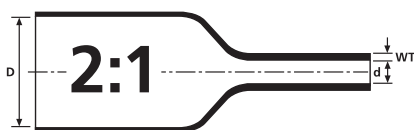
High performance halogen free printed markers after shrinking.

Material Data	
Material	Polyolefin, cross-linked (POX)
Colour	White (WH), Yellow (YE)
Shrink Ratio	2:1
Longitudinal change after shrinkage	-10% max
Minimum Shrink Temperature	+120 °C
Dielectric Strength	20 kV/mm
Operating Temperature	-40 °C to +105 °C Continuous, (+135 °C for 200 h)
Recommended Ribbon Type	TTDTHOUT
Flammability	Halogen free, Low generation of toxic gases and corrosive acid, Low smoke generation, Oxygen Index 34% (BS EN ISO 4589-2), Temperature Index 354 (BS EN ISO 4589-3), Acid Gas < 5mg/g (BS IEC ISO 60754 Pt1; 6.3pH / 6.86µs (BS IEC ISO 60754 Pt1)



Technical Table			
Type	Supplied Ø D	Recov. Ø d	Wall (WT)
TLFX24	2.4	1.2	0.50
TLFX32	3.2	1.6	0.50
TLFX48	4.8	2.4	0.50
TLFX64	6.4	3.2	0.60
TLFX95	9.5	4.8	0.60
TLFX127	12.7	6.4	0.60
TLFX190	19.0	9.5	0.80
TLFX254	25.4	12.7	0.90
TLFX381	38.1	19.0	1.00

All dimensions in mm. Subject to technical changes.





Shrinkable tubing 2:1, continuous, thermal transfer

• TLFx

Technical Table

Article-No.	Type	Colour	Supplied Ø D	Recov. Ø d	Wall (WT)	Quantity per Reel (m)
554-50004	TLFX24WH	White (WH)	2.4	1.2	0.50	15
554-50008	TLFX24WH-B	White (WH)	2.4	1.2	0.50	150
554-50005	TLFX24YE	Yellow (YE)	2.4	1.2	0.50	15
554-50011	TLFX24YE-B	Yellow (YE)	2.4	1.2	0.50	150
554-50104	TLFX32WH	White (WH)	3.2	1.6	0.50	15
554-50108	TLFX32WH-B	White (WH)	3.2	1.6	0.50	150
554-50105	TLFX32YE	Yellow (YE)	3.2	1.6	0.50	15
554-50111	TLFX32YE-B	Yellow (YE)	3.2	1.6	0.50	150
554-50204	TLFX48WH	White (WH)	4.8	2.4	0.50	15
554-50208	TLFX48WH-B	White (WH)	4.8	2.4	0.50	150
554-50205	TLFX48YE	Yellow (YE)	4.8	2.4	0.50	15
554-50211	TLFX48YE-B	Yellow (YE)	4.8	2.4	0.50	150
554-50304	TLFX64WH	White (WH)	6.4	3.2	0.60	15
554-50308	TLFX64WH-B	White (WH)	6.4	3.2	0.60	75
554-50305	TLFX64YE	Yellow (YE)	6.4	3.2	0.60	15
554-50311	TLFX64YE-B	Yellow (YE)	6.4	3.2	0.60	75
554-50404	TLFX95WH	White (WH)	9.5	4.8	0.60	15
554-50408	TLFX95WH-B	White (WH)	9.5	4.8	0.60	75
554-50405	TLFX95YE	Yellow (YE)	9.5	4.8	0.60	15
554-50411	TLFX95YE-B	Yellow (YE)	9.5	4.8	0.60	75
554-50504	TLFX127WH	White (WH)	12.7	6.4	0.60	12.5
554-50508	TLFX127WH-B	White (WH)	12.7	6.4	0.60	75
554-50505	TLFX127YE	Yellow (YE)	12.7	6.4	0.60	12.5
554-50511	TLFX127YE-B	Yellow (YE)	12.7	6.4	0.60	75
554-50604	TLFX190WH	White (WH)	19.0	9.5	0.80	12.5
554-50608	TLFX190WH-B	White (WH)	19.0	9.5	0.80	50
554-50605	TLFX190YE	Yellow (YE)	19.0	9.5	0.80	12.5
554-50611	TLFX190YE-B	Yellow (YE)	19.0	9.5	0.80	50
554-50704	TLFX254WH	White (WH)	25.4	12.7	0.90	10
554-50708	TLFX254WH-B	White (WH)	25.4	12.7	0.90	25
554-50705	TLFX254YE	Yellow (YE)	25.4	12.7	0.90	10
554-50711	TLFX254YE-B	Yellow (YE)	25.4	12.7	0.90	25
554-50804	TLFX381WH	White (WH)	38.1	19.0	1.00	10
554-50808	TLFX381WH-B	White (WH)	38.1	19.0	1.00	25
554-50805	TLFX381YE	Yellow (YE)	38.1	19.0	1.00	10
554-50811	TLFX381YE-B	Yellow (YE)	38.1	19.0	1.00	25

All dimensions in mm. Subject to technical changes.



Thermal Transfer Printer



Identification tags for cable bundle, continuous, thermal transfer

• TIPTAG

Features and Benefits

Printable tags "from the roll" can be printed using the TT4000+ printer.

TIPTAGs are presented in a special perforated format which includes fastening slots for cable ties. They are especially suited for marking larger cable diameters. Other lengths are available on request.



Thermal Transfer Printer



Printable Marking Tag TIPTAG.

Material Data

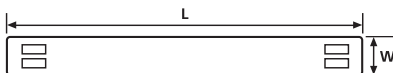
Material	Polyolefin Compound unlinked (PO)
Flammability	Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, Halogen free
Operating Temperature	-40 °C to +90 °C Continuous, (+160 °C for 200 h)
Recommended Ribbon Type	TTRC+, TTDTHOUT
Specification	according, London Underground RSE STD 013



Technical Table

Article-No.	Type	Colour	Length (L)	Width (W)	Quantity per Reel
Identification tags					
556-20064	TIPTAG11X65YE	Yellow (YE)	65	11.0	190
556-20069	TIPTAG11X65WH	White (WH)	65	11.0	190
556-21064	TIPTAG15X65YE	Yellow (YE)	65	15.0	190
556-21069	TIPTAG15X65WH	White (WH)	65	15.0	190
556-20074	TIPTAG11X100YE	Yellow (YE)	100	11.0	120
556-20079	TIPTAG11X100WH	White (WH)	100	11.0	120
556-21074	TIPTAG15X100YE	Yellow (YE)	100	15.0	120
556-21079	TIPTAG15X100WH	White (WH)	100	15.0	120

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Identification tags for cable bundle, continuous, thermal transfer

• TIPTAG PU for high temperature

Features and Benefits

The exceptional print permanence of this material when used with TTRC+ ribbon gives an excellent print resistant marker able to survive in areas of harsh abrasion.

Printed text on the surface of the TIPTAG remains virtually unaffected and should the top layer of the material be removed a visible mark will still remain within the TIPTAG material similar to a tattoo effect.

This tattoo-like effect usually occurs after 7 days as the material gradually absorbs the ink which penetrates from the surface of the TIPTAG.

Other sizes and colours are available on request.



The printed mark has a tattoo-like permanency.



Thermal Transfer Printer

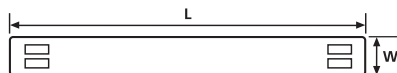
Material Data	
Material	Polyurethane (PUR)
Flammability	Self extinguishing
Operating Temperature	-65 °C to +120 °C, Intermittent 150 °C
Recommended Ribbon Type	TTRC+



Technical Table

Article-No.	Type	Colour	Length (L)	Width (W)	Quantity per Reel
Identification tags					
556-25010	TTAGPU15X100YE	Yellow (YE)	100	15	125
556-25006	TTAGPU15X100WH	White (WH)	100	15	125
556-25011	TTAGPU15X65YE	Yellow (YE)	65	15	190
556-25007	TTAGPU15X65WH	White (WH)	65	15	190
556-25020	TTAGPU11X100YE	Yellow (YE)	100	11	125
556-25021	TTAGPU11X100WH	White (WH)	100	11	125
556-25019	TTAGPU11X65YE	Yellow (YE)	65	11	190
556-25012	TTAGPU11X65WH	White (WH)	65	11	190

All dimensions in mm. Subject to technical changes.





Identification tags for cable bundle, ladder style, thermal transfer

• TIPTAG VA

Features and Benefits

TIPTAG VA are halogen free, tear resistant, and lightweight cross laminated polyolefin tags ideal for use where weight is a critical factor. Each side has a different colour so enabling the customer to choose between a white or yellow background allowing both good contrast and reduced stock options.

The perforated structure of the TIPTAG VA ensures complete pickability. Should a customer need to pick a printed marker from a series of tags they simply remove the one that is needed with the rest remaining in place.

Should print requirements need to meet MIL-STD-202G; TIPTAG VA passes with TTDTHOUT (TTRX) on the white side and TT822OUT on the yellow side.



Highly visible and lightweight cable marking.



Thermal Transfer Printer

Material Data	
Material	Cross Laminated Polyolefin
Colour	Yellow / White (YEWL)
Operating Temperature	-50 °C to +105 °C
Recommended Ribbon Type	TTDTHOUT, TT822OUT
Thickness of Foil (µm)	210



Technical Table					
Article-No.	Type	Colour	Length (L)	Width (W)	Pack Cont.
556-26006	TIPTAGVA10X65YEWL	White (WH), Yellow (YE)	65	12.7	500
556-26008	TIPTAGVA15X65YEWL	White (WH), Yellow (YE)	65	17.4	500
556-26007	TIPTAGVA10X90YEWL	White (WH), Yellow (YE)	90	12.7	500
556-26009	TIPTAGVA15X90YEWL	White (WH), Yellow (YE)	90	17.4	500

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Self-laminating labels, thermal transfer

• Material 1209 (White-Clear)

Features and Benefits

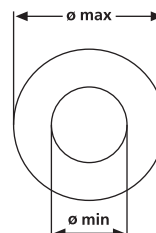
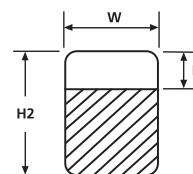
With its white printable section giving good contrast against the cable substrate and the transparent protective laminate, this label is ideally suited for labelling cables and pipes after cables have been connected or for rework requirements. Other colours are available on request.

The protective laminating tail ensures optimal protection against humidity, dirt, debris and mechanical abrasion.

Halogen-free polyolefin material also available on request.



Self-laminating labels offer an excellent protection against abrasion and environmental impact.



Thermal Transfer Printer

Material Data	
Material	Type 1209, Vinyl (PVC), white-transparent (WH/CL)
Operating Temperature	-20 °C to +80 °C
Recommended Ribbon Type	TT896OUT, TT932DOUT
Curing Temperature	from 0 °C
Adhesive	Acrylic
Thickness of Foil (µm)	90
Chem. Material Properties	Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.



Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Width of Liner (WL)	Labels per Row	Pack Cont.
596-12091	TAG51TD3-1209-WHCL	White (WH), Transparent (CL)	1.35	3.0	25.40	8.80	19.05	85.0	3	5000
596-12096	TAG26TD6-1209-WHCL	White (WH), Transparent (CL)	1.5	3.0	12.70	9.52	19.05	85.0	6	10000
596-12097	TAG36TD7-1209-WHCL	White (WH), Transparent (CL)	2.0	4.7	12.70	9.00	23.80	95.0	7	10000
596-61209	TAG2TD6-1209-WHCL	White (WH), Transparent (CL)	3.5	7.6	12.70	12.70	36.50	82.0	6	5000
596-32091	TAG22TD3-1209-WHCL	White (WH), Transparent (CL)	3.5	7.6	25.40	12.70	36.50	82.0	3	2500
596-12094	TAG24TD1-1209-WHCL	White (WH), Transparent (CL)	3.5	7.6	50.80	12.70	36.50	55.0	1	1000
596-12095	TAG23TD5-1209-WHCL	White (WH), Transparent (CL)	4.5	10.0	19.05	12.70	44.50	101.6	5	5000
596-51209	TAG25TD3-1209-WHCL	White (WH), Transparent (CL)	4.5	10.0	25.40	12.70	44.50	82.0	3	2500
596-91209	TAG9TD3-1209-WHCL	White (WH), Transparent (CL)	5.5	12.1	25.40	19.05	57.10	82.0	3	2500
596-12090	TAG10TD2-1209-WHCL	White (WH), Transparent (CL)	5.5	12.1	49.53	19.05	57.10	101.6	2	1000
596-41209	TAG91TD1-1209-WHCL	White (WH), Transparent (CL)	8.0	16.0	70.00	35.00	85.00	74.0	1	500
596-21209	TAG1TD2-1209-WHCL	White (WH), Transparent (CL)	8.5	18.2	48.20	19.05	79.20	101.6	2	1000
596-31209	TAG3TD3-1209-WHCL	White (WH), Transparent (CL)	10.0	22.2	25.40	25.40	95.25	82.0	3	1000
596-11209	TAG6TD1-1209-WHCL	White (WH), Transparent (CL)	10.0	22.2	50.80	25.40	95.25	55.0	1	500
596-01209	TAG107TD3-1209-WHCL	White (WH), Transparent (CL)	12.0	37.5	25.40	31.75	149.86	82.0	3	1000
596-12098	TAG38TD3-1209-WHCL	White (WH), Transparent (CL)	20.8	47.5	25.40	38.10	187.20	82.0	3	1000
596-71209	TAG07TD1-1209-WHCL	White (WH), Transparent (CL)	20.8	47.5	50.80	25.40	187.20	55.0	1	250

All dimensions in mm. Subject to technical changes.



Self-laminating labels, thermal transfer

- **Material 320 (White-Clear)**
high temperature
- **Material 322 (White-Clear)**
high temperature

Features and Benefits

Ideally suited for wire and cable marking in both high temperature and outside environments.

These thermal transfer printable labels are designed to print permanent, crisp legends on demand.

The protective laminating foil ensures optimal protection against humidity, dirt, debris, and mechanical abrasion.

The labels are supplied in a protective box that ensures labels are kept as good as new. For problem-free printing, we recommend Tagprint Pro software.

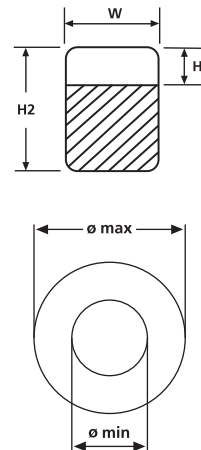
Recommended ribbons: TT932DOUT and TT896DOUT.



Thermal Transfer Printer



Easy marking of flexible, semi-rigid and rigid cables and wires.



Material Data	
Material	Type 320, Polyvinylfluoride Tedlar®, white-transparent (WH/CL) Type 322, Polyvinylfluoride Tedlar®, yellow-transparent (YE/CL)
Operating Temperature	-40 °C bis +107°C
Curing Temperature	From +10 °C
Recommended Ribbon Type	TT932DOUT
Adhesive	Acrylic
Thickness of Foil (µm)	25
Chem. Material Properties	excellent resistance against alcohol, solvents on petroleum bases, ester and ketone. Special resistance against UV radiation



Technical Table

Technical table										
Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Width of Liner (WL)	Labels per Row	Pack Cont.
Thermal Transfer - Self Laminating Labels, Material 320							19.05	85.0	3	5000
596-51320	TAG51TD3-320-WHCL	White (WH), Transparent (CL)	1.35	3.0	25.40	8.80				
596-26320	TAG26TD6-320-WHCL	White (WH), Transparent (CL)	1.5	3.0	12.70	9.52				
596-36320	TAG36TD7-320-WHCL	White (WH), Transparent (CL)	2.0	4.7	12.70	9.00				
596-02320	TAG2TD6-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	12.70	12.70				
596-22320	TAG22TD3-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	25.40	12.70				
596-24320	TAG24TD1-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	50.80	12.70				
596-23320	TAG23TD5-320-WHCL	White (WH), Transparent (CL)	4.5	10.0	19.05	12.70				
596-25320	TAG25TD3-320-WHCL	White (WH), Transparent (CL)	4.5	10.0	25.40	12.70				
596-09320	TAG9TD3-320-WHCL	White (WH), Transparent (CL)	5.5	12.1	25.40	19.05				
596-10320	TAG10TD2-320-WHCL	White (WH), Transparent (CL)	5.5	12.1	49.53	19.05				
596-01320	TAG1TD2-320-WHCL	White (WH), Transparent (CL)	8.5	18.2	48.20	19.05				
596-03320	TAG3TD3-320-WHCL	White (WH), Transparent (CL)	10.0	22.2	25.40	25.40				
596-06320	TAG6TD1-320-WHCL	White (WH), Transparent (CL)	10.0	22.2	50.80	25.40				
596-10732	TAG107TD3-320-WHCL	White (WH), Transparent (CL)	12.0	37.5	25.40	31.75				
596-38320	TAG38TD3-320-WHCL	White (WH), Transparent (CL)	20.8	47.5	25.40	38.10				
596-07320	TAG07TD1-320-WHCL	White (WH), Transparent (CL)	20.8	47.5	50.80	25.40				
Thermal Transfer - Self Laminating Labels, Material 322, yellow / transparent							95.25	82.0	3	1000
596-03322	TAG3TD3-322 YECL	Yellow (YE), Transparent (CL)	10.0	22.2	25.40	25.40				

All dimensions in mm. Subject to technical changes.



Self-laminating labels, laser

• Material 1104 (White-Clear)

Features and Benefits

Helatag DIN A4 Laser labels have been especially developed to enable printing of industrial grade labels using standard office laser printers.

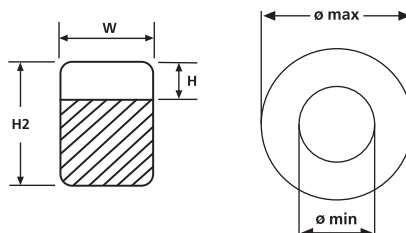


Laser Printer



Laminating the mark gives long-term print survivability.

Material Data	
Material	Type 1104, Polyester (PET), white clear (WH/CL), self laminating
Operating Temperature	-40 °C to +150 °C
Curing Temperature	from +5 °C
Adhesive	Acrylic
Thickness of Foil (µm)	23
Chem. Material Properties	Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and Butylcellosolve solvent, battery acid.



Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Labels per Sheet	Pack Cont.
594-11041	TAG26LA4-1104-WHCL	White (WH), Transparent (CL)	1.5	3.00	12.70	9.50	19.05	180	5000
594-21104	TAG130LA4-1104-WHCL	White (WH), Transparent (CL)	2.4	4.80	12.70	9.00	24.00	165	5000
594-11042	TAG49LA4-1104-WHCL	White (WH), Transparent (CL)	2.6	5.30	25.40	8.80	25.40	70	2500
594-31104	TAG131LA4-1104-WHCL	White (WH), Transparent (CL)	3.8	7.60	12.70	12.70	36.50	105	2500
594-41104	TAG132LA4-1104-WHCL	White (WH), Transparent (CL)	3.8	7.60	20.32	12.70	36.50	63	2500
594-01104	TAG02LA4-1104-WHCL	White (WH), Transparent (CL)	3.8	7.60	25.40	12.70	36.50	49	2450
594-51104	TAG133LA4-1104-WHCL	White (WH), Transparent (CL)	5.1	10.10	19.05	12.70	44.50	60	2500
594-61104	TAG134LA4-1104-WHCL	White (WH), Transparent (CL)	5.1	10.10	25.40	12.70	44.50	42	1000
594-11104	TAG09LA4-1104-WHCL	White (WH), Transparent (CL)	5.8	11.60	25.40	19.05	55.50	35	1000
594-71104	TAG135LA4-1104-CLWH	White (WH), Transparent (CL)	6.7	13.50	48.50	12.70	55.00	20	500
594-91104	TAG137LA4-1104-CLWH	White (WH), Transparent (CL)	7.1	14.30	31.75	22.86	67.70	24	1000
594-81104	TAG136LA4-1104-CLWH	White (WH), Transparent (CL)	7.7	15.50	25.40	19.05	67.70	28	1000
594-11040	TAG145LA4-1104-CLWH	White (WH), Transparent (CL)	11.1	22.30	25.40	25.40	95.30	21	1000

All dimensions in mm. Subject to technical changes.



Self-laminating labels, laser

• Material 1105 (White-Clear)

Features and Benefits

The high-quality polyester label is made from a thicker material and is ideal for large cable / pipe diameters. The specially formulated material is also easier to remove from the liner as it is easier to pick off. The protective laminating foil ensures optimal protection against humidity, dirt, debris, and mechanical abrasion.

All HellermannTyton laser labels are supplied in a clear protective box that ensures labels are kept as good as new.

For problem-free printing, we recommend Tagprint Pro software. The software contains all HellermannTyton labels. The easy to use software also allows users to create new label sizes if needed.

For very simple applications we recommend our MS Windows Word printer templates, from www.HellermannTyton.com (download zone). Simply download the templates and use in MS Word as a normal label template.

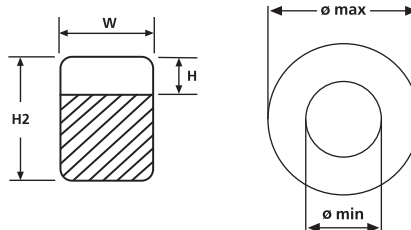


Laser Printer



Laminating the mark gives long-term print survivability.

Material Data	
Material	Type 1105, Polyester (PET), white clear (WH/CL), self laminating
Operating Temperature	-40 °C to +150 °C
Curing Temperature	from +5 °C
Adhesive	Acrylic
Thickness of Foil (µm)	50
Chem. Material Properties	Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and Butylcellosolve solvent, battery acid.



Software Tagprint Pro for troublefree printing see page 547. For MS-Windows Word design templates for simple applications please refer to www.HellermannTyton.com (downloadzone).

Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Labels per Sheet	Pack Cont.
594-13876	TAG138LA4-1105-WHCL	White (WH), Transparent (CL)	11.8	23.60	38.10	19.05	93.13	15	500
594-13976	TAG139LA4-1105-WHCL	White (WH), Transparent (CL)	18.2	36.40	38.10	25.40	139.70	10	500

All dimensions in mm. Subject to technical changes.



Self-laminating labels, dot matrix

• Material 1301 (White-Clear)

Features and Benefits

Helatag Self Laminating Dot Matrix labels have been developed to ensure you can print industrial grade labels using standard dot matrix printers.

These labels are used in applications where low to medium print volumes are needed and where simple alphanumeric text is required. HellermannTyton self laminating wire markers are used in industries ranging from automotive for wire and pipe identification to electrical panels.

The labels are manufactured from the highest quality material and production processes so giving you trouble free performance.

For problem-free printing, we recommend Tagprint Pro software. The software contains all HellermannTyton labels. The easy to use software also allows users to create new label sizes if needed.

All HellermannTyton Dot Matrix labels are supplied in a clear protective box that ensures labels are kept as good as new.



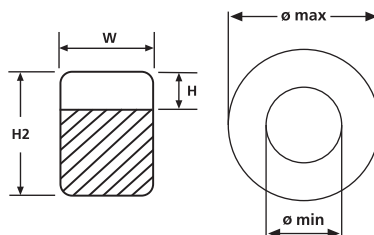
Unique packaging ensures outstanding label protection.

Material Data	
Material	Type 1301, Vinyl, white-transparent (WH/CL), self laminating
Operating Temperature	-20 °C to +70 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic
Thickness of Foil (µm)	100
Chem. Material Properties	Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.



Dot Matrix Printer

**Certifications please
see Appendix.**



Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Labels per Sheet	Pack Cont.
595-41301	TAG22-1301-WHCL	White (WH), Transparent (CL)	3.80	7.60	25.40	12.70	36.50	64	2500
595-51301	TAG25-1301-WHCL	White (WH), Transparent (CL)	5.10	10.10	19.05	12.70	44.50	54	2500
595-21301	TAG9-1301-WHCL	White (WH), Transparent (CL)	6.10	12.10	25.40	19.05	57.15	32	1000
595-31301	TAG10-1301-WHCL	White (WH), Transparent (CL)	6.10	12.10	50.80	19.05	57.15	20	1000
595-01301	TAG3-1301-WHCL	White (WH), Transparent (CL)	11.10	22.20	25.40	25.40	95.25	24	1000
595-11301	TAG8-1301-WHCL	White (WH), Transparent (CL)	17.80	35.60	25.40	38.10	149.80	16	500
595-61301	TAG23-1301-WHCL	White (WH), Transparent (CL)	23.70	47.50	25.40	38.10	187.20	7	250

All dimensions in mm. Subject to technical changes.



Self-laminating labels, manual marking

- **RiteOn, Starter Pack, Material 1401 dispenser**

Features and Benefits

These self-laminating labels provide simple and rapid identification for low volume installation and rework. The coloured text field gives a good contrast to the cable for extra clarity.

The RiteOn protective laminating clear tail ensures optimal protection against humidity, dirt and debris and mechanical abrasion.

Write your text in the marker window of the dispenser, dispense the label, place the shaded area with the text onto the cable surface and wrap the clear 'tail' around the cable.

• RiteOn Starter Pack

The Starter Pack contains all you need to start work identifying your wires:

- 1 x RiteOn dispenser
- 1 x R202 reel of 150 self laminating labels for cable diameters ranging from 4mm to 11mm
- 1 x T82S-BK black indelible ink marker pen

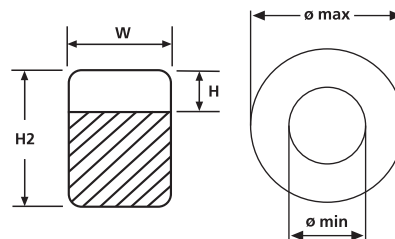


Manual Marking



The RiteOn starter pack gets you started right away.

Material Data	
Material	Type 1401, Vinyl
Colour	White (WH)
Operating Temperature	-40 °C to +80 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic
Chem. Material Properties	Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.



Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Pack Cont.
Starter pack and filled dispensers								
550-14010	SPRO200-1401-WH	White (WH)	6.10	12.10	19.05	12.70	50.80	150
550-14011	RO201-1401-WH	White (WH)	4.00	8.10	12.70	12.70	38.10	200
550-14012	RO202-1401-WH	White (WH)	6.10	12.10	19.05	12.70	50.80	150
550-14013	RO203-1401-WH	White (WH)	9.10	18.20	19.05	25.40	76.20	100
Refill packs								
550-14014	RO201REF-1401-WH	White (WH)	4.00	8.10	12.70	12.70	38.10	200
550-11401	RO202REF-1401-WH	White (WH)	6.10	12.10	19.05	12.70	50.80	150
550-71401	RO203REF-1401-WH	White (WH)	9.10	18.20	19.05	25.40	76.20	100
Marker pens T82								
500-50820	T82S-BK	Black (BK)	–	–	–	–	–	2
500-50822	T82R-RD	Red (RD)	–	–	–	–	–	2

All dimensions in mm. Subject to technical changes.



Pre-printed Cable Markers

• Helagrip, chevron cut

Features and Benefits

Helagrip is a versatile and cost effective cable identification system. The specially designed internal profile allows one size of marker to be fitted onto a wide range of cable diameters. Helagrip's chevron cut ensures that the markers lock together, enabling the text legend to stay in place where cable movement or vibration is likely. The flexible material ensures that Helagrip cable markers always fit securely onto the wire.

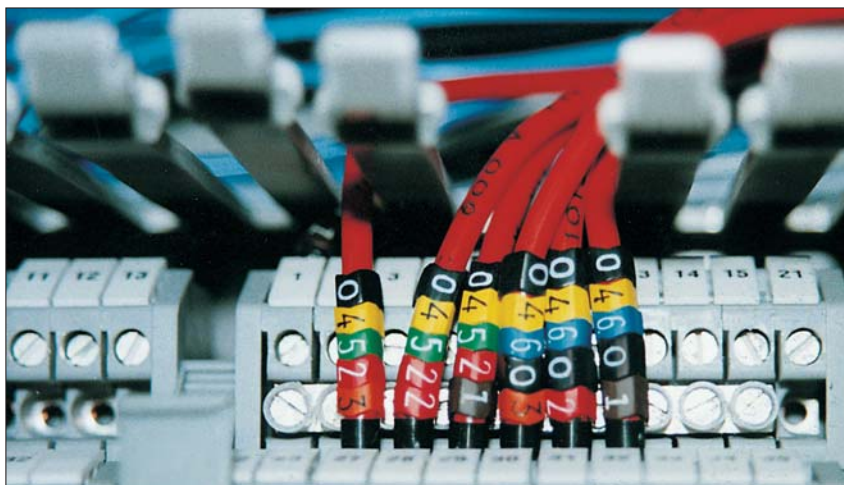
Application

Ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting.

Helagrip is supplied on a reel (HGDC) for ease of use.

Markers are available as standard in international resistor colour code and yellow material marked in black. White material marked in black is available to special order. Characters are 0-9, A-Z and standard electrical symbols.

For smaller cables and wires it is recommended that you use the AD applicator or the TJC installation tool.



Clearly a better way to identify in confined spaces.



Helagrip chevron cut.

Material Data	
Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Colour	White, yellow, international resistor colour code
Flammability	UL94 V0 (3mm)
Operating Temperature	-65 °C to +105 °C, Intermittent +135 °C
Specification	BS 2782-540B, BS 6746C, UL224, IEC 757



Technical Table				
Type	Quantity per reel	Outside Ø min.	Outside Ø max.	Length (L)
HGDC1-3	1000	1.0	3.00	3.5
HGDC2-5	1000	2.0	5.00	3.5
HGDC4-9	250	4.0	9.00	5.0

All dimensions in mm. Subject to technical changes.



Pre-printed Cable Markers

- Helagrip, chevron cut

HGDC1-3 colour code



	Article-No.	Type
0	515-01600	HGDC1-3
1	515-01611	HGDC1-3
2	515-01622	HGDC1-3
3	515-01633	HGDC1-3
4	515-01644	HGDC1-3
5	515-01655	HGDC1-3
6	515-01666	HGDC1-3
7	515-01677	HGDC1-3
8	515-01688	HGDC1-3
9	515-01699	HGDC1-3

HGDC1-3 yellow



	Article-No.	Type
A	515-01014	HGDC1-3
B	515-01024	HGDC1-3
C	515-01034	HGDC1-3
D	515-01044	HGDC1-3
E	515-01054	HGDC1-3
F	515-01064	HGDC1-3
G	515-01074	HGDC1-3
H	515-01084	HGDC1-3
I	515-01094	HGDC1-3
J	515-01104	HGDC1-3
K	515-01114	HGDC1-3
L	515-01124	HGDC1-3
M	515-01134	HGDC1-3
N	515-01144	HGDC1-3
O	515-01154	HGDC1-3
P	515-01164	HGDC1-3
Q	515-01174	HGDC1-3
R	515-01184	HGDC1-3
S	515-01194	HGDC1-3
T	515-01204	HGDC1-3
U	515-01214	HGDC1-3
V	515-01224	HGDC1-3
W	515-01234	HGDC1-3
X	515-01244	HGDC1-3
Y	515-01254	HGDC1-3
Z	515-01264	HGDC1-3
+	515-01704	HGDC1-3
-	515-01714	HGDC1-3
∩	515-01724	HGDC1-3
∪	515-01734	HGDC1-3
•	515-01804	HGDC1-3
0	515-01604	HGDC1-3
1	515-01614	HGDC1-3
2	515-01624	HGDC1-3
3	515-01634	HGDC1-3
4	515-01644	HGDC1-3
5	515-01654	HGDC1-3
6	515-01664	HGDC1-3
7	515-01674	HGDC1-3
8	515-01684	HGDC1-3
9	515-01694	HGDC1-3

HGDC2-5 colour code



	Article-No.	Type
0	515-02600	HGDC2-5
1	515-02611	HGDC2-5
2	515-02622	HGDC2-5
3	515-02633	HGDC2-5
4	515-02644	HGDC2-5
5	515-02655	HGDC2-5
6	515-02666	HGDC2-5
7	515-02677	HGDC2-5
8	515-02688	HGDC2-5
9	515-02699	HGDC2-5

HGDC2-5 yellow



	Article-No.	Type
A	515-02014	HGDC2-5
B	515-02024	HGDC2-5
C	515-02034	HGDC2-5
D	515-02044	HGDC2-5
E	515-02054	HGDC2-5
F	515-02064	HGDC2-5
G	515-02074	HGDC2-5
H	515-02084	HGDC2-5
I	515-02094	HGDC2-5
J	515-02104	HGDC2-5
K	515-02114	HGDC2-5
L	515-02124	HGDC2-5
M	515-02134	HGDC2-5
N	515-02144	HGDC2-5
O	515-02154	HGDC2-5
P	515-02164	HGDC2-5
Q	515-02174	HGDC2-5
R	515-02184	HGDC2-5
S	515-02194	HGDC2-5
T	515-02204	HGDC2-5
U	515-02214	HGDC2-5
V	515-02224	HGDC2-5
W	515-02234	HGDC2-5
X	515-02244	HGDC2-5
Y	515-02254	HGDC2-5
Z	515-02264	HGDC2-5
+	515-02704	HGDC2-5
-	515-02714	HGDC2-5
∩	515-02724	HGDC2-5
∪	515-02734	HGDC2-5
•	515-02715	HGDC2-5
0	515-02604	HGDC2-5
1	515-02614	HGDC2-5
2	515-02624	HGDC2-5
3	515-02634	HGDC2-5
4	515-02644	HGDC2-5
5	515-02654	HGDC2-5
6	515-02664	HGDC2-5
7	515-02674	HGDC2-5
8	515-02684	HGDC2-5
9	515-02694	HGDC2-5



Pre-printed Cable Markers

- Helagrip, chevron cut



HGDC4-9 colour code

	Article-No.	Type
0	515-03600	HGDC4-9
1	515-03611	HGDC4-9
2	515-03622	HGDC4-9
3	515-03633	HGDC4-9
4	515-03644	HGDC4-9
5	515-03655	HGDC4-9
6	515-03666	HGDC4-9
7	515-03677	HGDC4-9
8	515-03688	HGDC4-9
9	515-03699	HGDC4-9



HGDC4-9 yellow

	Article-No.	Type
A	515-03014	HGDC4-9
B	515-03024	HGDC4-9
C	515-03034	HGDC4-9
D	515-03044	HGDC4-9
E	515-03054	HGDC4-9
F	515-03064	HGDC4-9
G	515-03074	HGDC4-9
H	515-03084	HGDC4-9
I	515-03094	HGDC4-9
J	515-03104	HGDC4-9
K	515-03114	HGDC4-9
L	515-03124	HGDC4-9
M	515-03134	HGDC4-9
N	515-03144	HGDC4-9
O	515-03154	HGDC4-9
P	515-03164	HGDC4-9
Q	515-03174	HGDC4-9
R	515-03184	HGDC4-9
S	515-03194	HGDC4-9
T	515-03204	HGDC4-9
U	515-03214	HGDC4-9
V	515-03224	HGDC4-9
W	515-03234	HGDC4-9
X	515-03244	HGDC4-9
Y	515-03254	HGDC4-9
Z	515-03264	HGDC4-9
+	515-03704	HGDC4-9
-	515-03714	HGDC4-9
/	515-03724	HGDC4-9
•	515-01947	HGDC4-9
•	515-01946	HGDC4-9
0	515-03604	HGDC4-9
1	515-03614	HGDC4-9
2	515-03624	HGDC4-9
3	515-03634	HGDC4-9
4	515-03644	HGDC4-9
5	515-03654	HGDC4-9
6	515-03664	HGDC4-9
7	515-03674	HGDC4-9
8	515-03684	HGDC4-9
9	515-03694	HGDC4-9



Pre-printed Cable Markers

• Ovalgrip, straight cut

Features and Benefits

Ovalgrip markers have been specifically designed to mark cable and wire both before and after termination.

Their oval shape means that these markers are easy to fit by hand directly onto the cable or they can be attached as an identification flag using special marker carriers (Arrowtags). Arrowtags fitted with Ovalgrip are fastened using cable ties and can very easily be modified or removed without the need to uninstall the cable.

Sizes 50 and 85 can be used with Arrowtags for identifying larger cable bundles.

Application

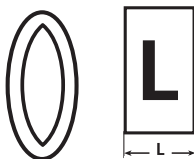
Ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting.

These markers are supplied continuous on a reel (HODS).

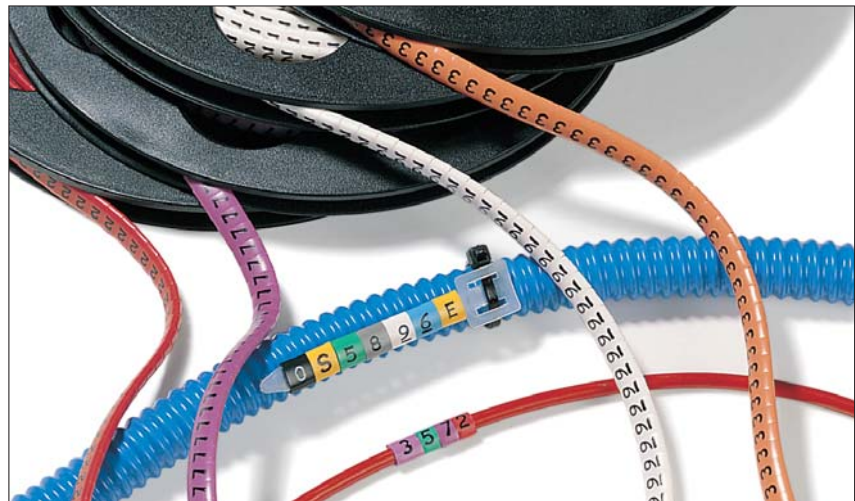
Markers are available as standard in yellow material marked in black and international resistor colour code. Characters are 0-9, A-Z and standard electrical symbols.

White material marked in black available on special request.

- AT1 Arrowtags will fit 7 size 50 markers.
- AT2 Arrowtags will fit 8 size 85 markers.
- AT3 Arrowtags will fit 14 size 85 markers.



Ovalgrip straight cut.



A simple idea for complex marking needs.



For details on Arrowtags please see page 507.

Material Data	
Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Colour	White, yellow, international resistor colour code
Operating Temperature	-65 °C to +105 °C, Intermittent +135 °C
Flammability	Self extinguishing
Specification	BS 2782-540B, BS 6746C, UL224, IEC 304, IEC 757



Technical Table					
Type	Quantity per kit	Outside Ø min.	Outside Ø max.	Length (L)	Recommended Carrier
HODS50	1000	1.7	3.60	4.0	AT1
HODS85	1000	1.8	6.30	4.5	AT2/AT3

All dimensions in mm. Subject to technical changes.



Pre-printed Cable Markers

- Ovalgrip, straight cut

HODS50 colour code

	Article-No.	Type
0	531-15365	HODS50
1	531-15366	HODS50
2	531-15367	HODS50
3	531-15368	HODS50
4	531-15314	HODS50
5	531-15370	HODS50
6	531-15371	HODS50
7	531-15372	HODS50
8	531-15373	HODS50
9	531-15374	HODS50

HODS50 yellow

	Article-No.	Type
A	531-15014	HODS50
B	531-15024	HODS50
C	531-15034	HODS50
D	531-15044	HODS50
E	531-15054	HODS50
F	531-15064	HODS50
G	531-15074	HODS50
H	531-15084	HODS50
I	531-15094	HODS50
J	531-15104	HODS50
K	531-15114	HODS50
L	531-15124	HODS50
M	531-15134	HODS50
N	531-15144	HODS50
O	531-15154	HODS50
P	531-15164	HODS50
Q	531-15174	HODS50
R	531-15184	HODS50
S	531-15194	HODS50
T	531-15204	HODS50
U	531-15214	HODS50
V	531-15224	HODS50
W	531-15234	HODS50
X	531-15244	HODS50
Y	531-15254	HODS50
Z	531-15264	HODS50
+	531-00451	HODS50
-	531-00452	HODS50
/	531-00175	HODS50
÷	531-00176	HODS50
.	531-00174	HODS50
0	531-15274	HODS50
1	531-15284	HODS50
2	531-15294	HODS50
3	531-15304	HODS50
4	531-15314	HODS50
5	531-15324	HODS50
6	531-15334	HODS50
7	531-15344	HODS50
8	531-15354	HODS50
9	531-15364	HODS50

HODS85 colour code

	Article-No.	Type
0	531-07728	HODS85
1	531-07729	HODS85
2	531-07730	HODS85
3	531-07731	HODS85
4	531-07732	HODS85
5	531-07733	HODS85
6	531-07734	HODS85
7	531-07735	HODS85
8	531-07736	HODS85
9	531-07737	HODS85

HODS85 yellow

	Article-No.	Type
A	531-07935	HODS85
B	531-07936	HODS85
C	531-07937	HODS85
D	531-07938	HODS85
E	531-07939	HODS85
F	531-07940	HODS85
G	531-07941	HODS85
H	531-07942	HODS85
I	531-07943	HODS85
J	531-07944	HODS85
K	531-07945	HODS85
L	531-07946	HODS85
M	531-07947	HODS85
N	531-07948	HODS85
O	531-07949	HODS85
P	531-07950	HODS85
Q	531-07951	HODS85
R	531-07952	HODS85
S	531-07953	HODS85
T	531-07954	HODS85
U	531-07955	HODS85
V	531-07956	HODS85
W	531-07957	HODS85
X	531-07958	HODS85
Y	531-07959	HODS85
Z	531-07960	HODS85
+	531-07924	HODS85
-	531-07923	HODS85
/	531-07961	HODS85
÷	531-00386	HODS85
.	531-00384	HODS85
0	531-07925	HODS85
1	531-07926	HODS85
2	531-07927	HODS85
3	531-07928	HODS85
4	531-07732	HODS85
5	531-07930	HODS85
6	531-07931	HODS85
7	531-07932	HODS85
8	531-07933	HODS85
9	531-07934	HODS85



Pre-printed Cable Markers

• WIC, snap on

Features and Benefits

This fast and easy to use snap-on marker is ideal for use in areas where termination has been completed or where systems / power need to remain permanently switched on. Using the ergonomically designed WIC Tool and the markers ensures that rapid post-termination is achieved. The WIC tool is unique as it will hold all 3 sizes of WIC marker and will hold 20 markers.

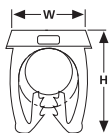
WIC markers are especially engineered to remain fixed onto the wire even under continuous vibration. The especially designed legs lock onto the wire and resist rotation and this ensures the markers remain correctly aligned on the wire. Each marker also locks with each other so that the marked legend remains intact.

WIC is manufactured from a halogen free material and is RoHS compliant.

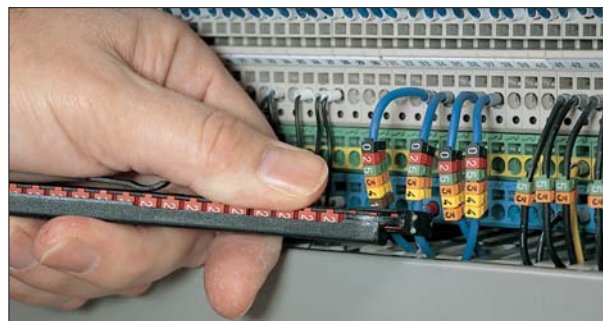
Application

WIC markers are applied to the wire by simply clicking them on using the WIC tool or if no tool is available they can easily be applied by hand.

Simply insert the marker strip into the back of the tool and slide down to the end and simply press the marker down over the wire. Twist the marker off and apply the next marker. Once all the markers are on slide them together until the locking mechanism engages.



A secure way to clearly identify wires after they have been terminated.



Use the applicator to simply snap the marker onto your cable.

Material Data	
Material	Polyamide 6.6 (PA66)
Colour	White, yellow, international resistor colour code
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V0
Specification	IEC 304, EN 60062, UL94



WIC Applicator Tool - WICTOOL		
Article-No.	Type	Pack Cont.
561-00001	WIC Tool	5

Technical Table							
Type	Outside Ø min.	Outside Ø max.	Width (W)	Height (H)	Length (L)	Pack Cont.	Application Tool
WIC1	2.00	2.80	5.00	6.40	3.0	1000	WICTOOL
WIC2	2.80	3.80	5.60	7.10	3.0	1000	WICTOOL
WIC3	4.30	5.30	8.00	9.60	3.0	500	WICTOOL

All dimensions in mm. Subject to technical changes.



Pre-printed Cable Markers

- WIC, snap on

WIC1 - colour code

	Article-No.	Type
0	561-01600	WIC1-0
1	561-01611	WIC1-1
2	561-01622	WIC1-2
3	561-01633	WIC1-3
4	561-01644	WIC1-4
5	561-01655	WIC1-5
6	561-01666	WIC1-6
7	561-01677	WIC1-7
8	561-01688	WIC1-8
9	561-01699	WIC1-9
0 1 2 3 4 5 6 7 8 9	561-01100	WIC1-0-9

WIC1 - yellow material

	Article-No.	Type
A	561-01014	WIC1-A
B	561-01024	WIC1-B
C	561-01034	WIC1-C
D	561-01044	WIC1-D
E	561-01054	WIC1-E
F	561-01064	WIC1-F
G	561-01074	WIC1-G
H	561-01084	WIC1-H
I	561-01094	WIC1-I
J	561-01104	WIC1-J
K	561-01114	WIC1-K
L	561-01124	WIC1-L
M	561-01134	WIC1-M
N	561-01144	WIC1-N
O	561-01154	WIC1-O
P	561-01164	WIC1-P
Q	561-01174	WIC1-Q
R	561-01184	WIC1-R
S	561-01194	WIC1-S
T	561-01204	WIC1-T
U	561-01214	WIC1-U
V	561-01224	WIC1-V
W	561-01234	WIC1-W
X	561-01244	WIC1-X
Y	561-01254	WIC1-Y
Z	561-01264	WIC1-Z
+	561-01704	WIC1-+
-	561-01714	WIC1--
/	561-01724	WIC1-/
÷	561-01734	WIC1-÷
.	561-01744	WIC1-.
0	561-01604	WIC1-0
1	561-01614	WIC1-1
2	561-01624	WIC1-2
3	561-01634	WIC1-3
4	561-01644	WIC1-4
5	561-01654	WIC1-5
6	561-01664	WIC1-6
7	561-01674	WIC1-7
8	561-01684	WIC1-8
9	561-01694	WIC1-9
0 ÷ 9	561-01101	WIC1-0-9
A E L N R S T ÷	561-01994	WIC1-A,E,L,N,R,S,T, ÷

WIC2 - colour code

	Article-No.	Type
0	561-02600	WIC2-0
1	561-02611	WIC2-1
2	561-02622	WIC2-2
3	561-02633	WIC2-3
4	561-02644	WIC2-4
5	561-02655	WIC2-5
6	561-02666	WIC2-6
7	561-02677	WIC2-7
8	561-02688	WIC2-8
9	561-02699	WIC2-9
0 1 2 3 4 5 6 7 8 9	561-02100	WIC2-0-9

WIC2 - yellow material

	Article-No.	Type
A	561-02014	WIC2-A
B	561-02024	WIC2-B
C	561-02034	WIC2-C
D	561-02044	WIC2-D
E	561-02054	WIC2-E
F	561-02064	WIC2-F
G	561-02074	WIC2-G
H	561-02084	WIC2-H
I	561-02094	WIC2-I
J	561-02104	WIC2-J
K	561-02114	WIC2-K
L	561-02124	WIC2-L
M	561-02134	WIC2-M
N	561-02144	WIC2-N
O	561-02154	WIC2-O
P	561-02164	WIC2-P
Q	561-02174	WIC2-Q
R	561-02184	WIC2-R
S	561-02194	WIC2-S
T	561-02204	WIC2-T
U	561-02214	WIC2-U
V	561-02224	WIC2-V
W	561-02234	WIC2-W
X	561-02244	WIC2-X
Y	561-02254	WIC2-Y
Z	561-02264	WIC2-Z
+	561-02704	WIC2-+
-	561-02714	WIC2--
/	561-02724	WIC2-/
÷	561-02734	WIC2-÷
.	561-02744	WIC2-.
0	561-02604	WIC2-0
1	561-02614	WIC2-1
2	561-02624	WIC2-2
3	561-02634	WIC2-3
4	561-02644	WIC2-4
5	561-02654	WIC2-5
6	561-02664	WIC2-6
7	561-02674	WIC2-7
8	561-02684	WIC2-8
9	561-02694	WIC2-9
0 ÷ 9	561-02101	WIC2-0-9
A E L N R S T ÷	561-02994	WIC2-A,E,L,N,R,S,T, ÷



Pre-printed Cable Markers

• WIC, snap on

WIC3 - yellow material

	Article-No.	Type
A	561-03014	WIC3-A
B	561-03024	WIC3-B
C	561-03034	WIC3-C
D	561-03044	WIC3-D
E	561-03054	WIC3-E
F	561-03064	WIC3-F
G	561-03074	WIC3-G
H	561-03084	WIC3-H
I	561-03094	WIC3-I
J	561-03104	WIC3-J
K	561-03114	WIC3-K
L	561-03124	WIC3-L
M	561-03134	WIC3-M
N	561-03144	WIC3-N
O	561-03154	WIC3-O
P	561-03164	WIC3-P
Q	561-03174	WIC3-Q
R	561-03184	WIC3-R
S	561-03194	WIC3-S
T	561-03204	WIC3-T
U	561-03214	WIC3-U
V	561-03224	WIC3-V
W	561-03234	WIC3-W
X	561-03244	WIC3-X
Y	561-03254	WIC3-Y
Z	561-03264	WIC3-Z
+	561-03704	WIC3-+
-	561-03714	WIC3--
/	561-03724	WIC3-/
÷	561-03734	WIC3-÷
.	561-03744	WIC3-.
0	561-03604	WIC3-0
1	561-03614	WIC3-1
2	561-03624	WIC3-2
3	561-03634	WIC3-3
4	561-03644	WIC3-4
5	561-03654	WIC3-5
6	561-03664	WIC3-6
7	561-03674	WIC3-7
8	561-03684	WIC3-8
9	561-03694	WIC3-9
0 + 9	561-03101	WIC3-0-9
A E L N R S T ÷	561-03994	WIC3-A,E,L,N,R,S,T, ÷

WIC3 - colour code

	Article-No.	Type
0	561-03600	WIC3-0
1	561-03611	WIC3-1
2	561-03622	WIC3-2
3	561-03633	WIC3-3
4	561-03644	WIC3-4
5	561-03655	WIC3-5
6	561-03666	WIC3-6
7	561-03677	WIC3-7
8	561-03688	WIC3-8
9	561-03699	WIC3-9
0 1 2 3 4 5 6 7 8 9	561-03100	WIC3-0-9



Pre-printed Cable Markers

• ABR-Markers

Features and Benefits

These semi-severed markers are highly elastic (up to 400% of supplied internal diameter) and will fit tightly onto a wide range of wire sizes.

The embossed characters give excellent visibility due to the prominence of the character ensuring high visibility in areas prone to dirt and debris.

They can be supplied either semi severed in a strip form (easy to tear off by hand) or fully severed as individual markers. The markers are applied using series NA or VA applicator tools.

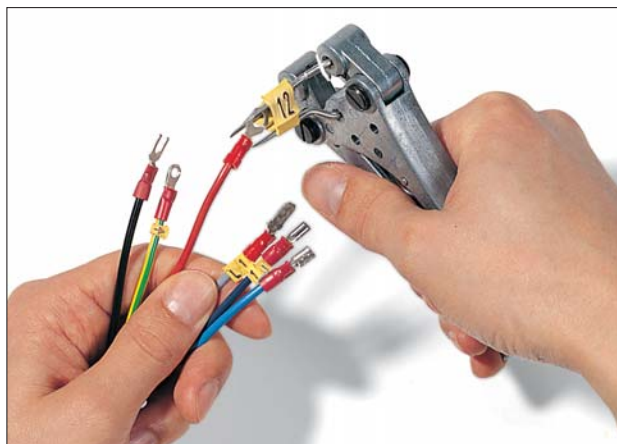
ABR is manufactured from a polychloroprene material and is RoHS compliant.

Application

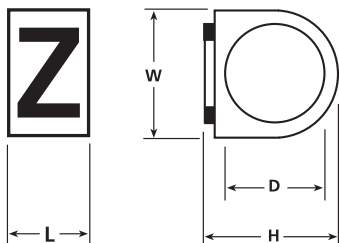
Ideally suited for the automotive industry for the identification coding of ignition cables. The embossed mark ensures clear legibility even in areas where dust and debris is found.



Highly flexible, legible and easy to apply.



The sleeve applicator tool allows markers to be fitted after crimping.



Material Data

Material	Chloroprene (CR)
Colour	Yellow (YE)
Operating Temperature	-25 °C to +90 °C, Intermittent +100 °C
Shore Hardness A	Elastomer 31 +/- 5% Shore A
Flammability	UL94 HB and FMVSS-302



**For detailed information
on Application Tools
please refer to page 575.**

Technical Table

Type	Ø D max.	Ø D	Width (W)	Height (H)	Length (L)
ABR.1	3.50	1.75	4.00	4.50	3.0
ABR.2	6.00	3.0	5.00	5.50	4.0
ABR.3	9.00	5.0	8.00	8.50	5.0
ABR.4	13.00	7.5	10.00	10.50	6.0
ABR.5	17.00	10.0	13.00	13.50	8.0

All dimensions in mm. Subject to technical changes.



Pre-printed Cable Markers

• ABR-Markers

Abr.1 semi severed

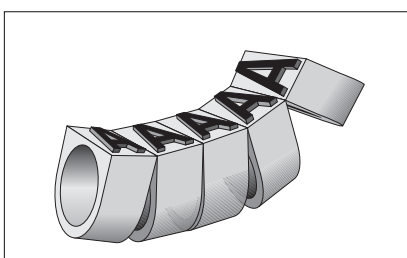
	Article-No.	Type
A	501-01014	ABR.1-A
B	501-01024	ABR.1-B
C	501-01034	ABR.1-C
D	501-01044	ABR.1-D
E	501-01054	ABR.1-E
F	501-01064	ABR.1-F
G	501-01074	ABR.1-G
H	501-01084	ABR.1-H
I	501-01094	ABR.1-I
J	501-01104	ABR.1-J
K	501-01114	ABR.1-K
L	501-01124	ABR.1-L
M	501-01134	ABR.1-M
N	501-01144	ABR.1-N
O	501-01154	ABR.1-O
P	501-01164	ABR.1-P
Q	501-01174	ABR.1-Q
R	501-01184	ABR.1-R
S	501-01194	ABR.1-S
T	501-01204	ABR.1-T
U	501-01214	ABR.1-U
V	501-01224	ABR.1-V
W	501-01234	ABR.1-W
X	501-01244	ABR.1-X
Y	501-01254	ABR.1-Y
Z	501-01264	ABR.1-Z
+	501-01274	ABR.1-+
-	501-01284	ABR.1--
0	501-01604	ABR.1-0
1	501-01614	ABR.1-1
2	501-01624	ABR.1-2
3	501-01634	ABR.1-3
4	501-01644	ABR.1-4
5	501-01654	ABR.1-5
6	501-01664	ABR.1-6
7	501-01674	ABR.1-7
8	501-01684	ABR.1-8
9	501-01694	ABR.1-9

Abr.2 semi severed

	Article-No.	Type
A	501-02014	ABR.2-A
B	501-02024	ABR.2-B
C	501-02034	ABR.2-C
D	501-02044	ABR.2-D
E	501-02054	ABR.2-E
F	501-02064	ABR.2-F
G	501-02074	ABR.2-G
H	501-02084	ABR.2-H
I	501-02094	ABR.2-I
J	501-02104	ABR.2-J
K	501-02114	ABR.2-K
L	501-02124	ABR.2-L
M	501-02134	ABR.2-M
N	501-02144	ABR.2-N
O	501-02154	ABR.2-O
P	501-02164	ABR.2-P
Q	501-02174	ABR.2-Q
R	501-02184	ABR.2-R
S	501-02194	ABR.2-S
T	501-02204	ABR.2-T
U	501-02214	ABR.2-U
V	501-02224	ABR.2-V
W	501-02234	ABR.2-W
X	501-02244	ABR.2-X
Y	501-02254	ABR.2-Y
Z	501-02264	ABR.2-Z
+	501-02274	ABR.2-+
-	501-02284	ABR.2--
0	501-02604	ABR.2-0
1	501-02614	ABR.2-1
2	501-02624	ABR.2-2
3	501-02634	ABR.2-3
4	501-02644	ABR.2-4
5	501-02654	ABR.2-5
6	501-02664	ABR.2-6
7	501-02674	ABR.2-7
8	501-02684	ABR.2-8
9	501-02694	ABR.2-9

Abr.3 semi severed

	Article-No.	Type
A	501-03014	ABR.3-A
B	501-03024	ABR.3-B
C	501-03034	ABR.3-C
D	501-03044	ABR.3-D
E	501-03054	ABR.3-E
F	501-03064	ABR.3-F
G	501-03074	ABR.3-G
H	501-03084	ABR.3-H
I	501-03094	ABR.3-I
J	501-03104	ABR.3-J
K	501-03114	ABR.3-K
L	501-03124	ABR.3-L
M	501-03134	ABR.3-M
N	501-03144	ABR.3-N
O	501-03154	ABR.3-O
P	501-03164	ABR.3-P
Q	501-03174	ABR.3-Q
R	501-03184	ABR.3-R
S	501-03194	ABR.3-S
T	501-03204	ABR.3-T
U	501-03214	ABR.3-U
V	501-03224	ABR.3-V
W	501-03234	ABR.3-W
X	501-03244	ABR.3-X
Y	501-03254	ABR.3-Y
Z	501-03264	ABR.3-Z
+	501-03274	ABR.3-+
-	501-03284	ABR.3--
0	501-03604	ABR.3-0
1	501-03614	ABR.3-1
2	501-03624	ABR.3-2
3	501-03634	ABR.3-3
4	501-03644	ABR.3-4
5	501-03654	ABR.3-5
6	501-03664	ABR.3-6
7	501-03674	ABR.3-7
8	501-03684	ABR.3-8
9	501-03694	ABR.3-9



**Special characters
available on request.**



Pre-printed Cable Markers

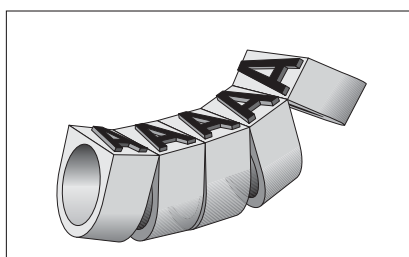
• ABR-Markers

Abr.4 semi severed

	Article-No.	Type
A	501-04014	ABR.4-A
B	501-04024	ABR.4-B
C	501-04034	ABR.4-C
D	501-04044	ABR.4-D
E	501-04054	ABR.4-E
F	501-04064	ABR.4-F
G	501-04074	ABR.4-G
H	501-04084	ABR.4-H
I	501-04094	ABR.4-I
J	501-04104	ABR.4-J
K	501-04114	ABR.4-K
L	501-04124	ABR.4-L
M	501-04134	ABR.4-M
N	501-04144	ABR.4-N
O	501-04154	ABR.4-O
P	501-04164	ABR.4-P
Q	501-04174	ABR.4-Q
R	501-04184	ABR.4-R
S	501-04194	ABR.4-S
T	501-04204	ABR.4-T
U	501-04214	ABR.4-U
V	501-04224	ABR.4-V
W	501-04234	ABR.4-W
X	501-04244	ABR.4-X
Y	501-04254	ABR.4-Y
Z	501-04264	ABR.4-Z
+	501-04274	ABR.4-+
-	501-04284	ABR.4--
0	501-04604	ABR.4-0
1	501-04614	ABR.4-1
2	501-04624	ABR.4-2
3	501-04634	ABR.4-3
4	501-04644	ABR.4-4
5	501-04654	ABR.4-5
6	501-04664	ABR.4-6
7	501-04674	ABR.4-7
8	501-04684	ABR.4-8
9	501-04694	ABR.4-9

Abr.5 semi severed

	Article-No.	Type
A	501-05014	ABR.5-A
B	501-05024	ABR.5-B
C	501-05034	ABR.5-C
D	501-05044	ABR.5-D
E	501-05054	ABR.5-E
F	501-05064	ABR.5-F
G	501-05074	ABR.5-G
H	501-05084	ABR.5-H
I	501-05094	ABR.5-I
J	501-05104	ABR.5-J
K	501-05114	ABR.5-K
L	501-05124	ABR.5-L
M	501-05134	ABR.5-M
N	501-05144	ABR.5-N
O	501-05154	ABR.5-O
P	501-05164	ABR.5-P
Q	501-05174	ABR.5-Q
R	501-05184	ABR.5-R
S	501-05194	ABR.5-S
T	501-05204	ABR.5-T
U	501-05214	ABR.5-U
V	501-05224	ABR.5-V
W	501-05234	ABR.5-W
X	501-05244	ABR.5-X
Y	501-05254	ABR.5-Y
Z	501-05264	ABR.5-Z
+	501-05274	ABR.5-+
-	501-05284	ABR.5--
0	501-05604	ABR.5-0
1	501-05614	ABR.5-1
2	501-05624	ABR.5-2
3	501-05634	ABR.5-3
4	501-05644	ABR.5-4
5	501-05654	ABR.5-5
6	501-05664	ABR.5-6
7	501-05674	ABR.5-7
8	501-05684	ABR.5-8
9	501-05694	ABR.5-9



**Special characters
available on request.**



Identification ties and plates for marking cable bundles

• Arrowtag

Features and Benefits

Where maintenance and repair work is needed, the use of Arrowtags and pre-printed Ovalgrip markers gives the engineer an unlimited variance of text combinations.

Any size of cable diameter can be marked dependant on the length of cable tie chosen. The maximum strap width is 7.4mm.

AT1 will fit 7 size 50 Ovalgrip markers.

AT2 will fit 8 size 85 Ovalgrip markers.

AT3 will fit 14 size 85 Ovalgrip markers.

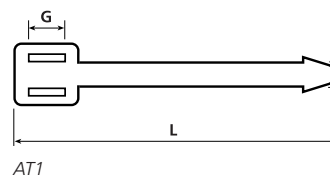
If needed, the Arrowtags can be written on with T82 marker pens. They can also be direct-printed using the hot stamping process. Just ask us.

Application

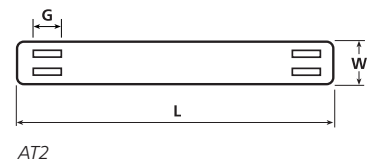
Used with Ovalgrip markers for identifying larger pipes and cables.



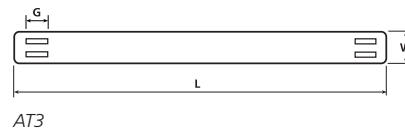
A clearly better way of identifying cables and pipes.



AT1



AT2



AT3

Material Data	
Material	Polyamide 6.6 (PA66)
Colour	Natural (NA), Black (BK)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2



Certifications
please see Appendix.

More information on marker pens can be found on page 495.

Technical Table

Article-No.	Type	Colour	Length (L)	Width (W)	Strap Width max. (G)	Recommended Ovalgrip Size	Marker tiles per carrier	Pack Cont.
151-41119	AT1	Natural (NA)	62.5	4.70	7.40	50	7	100
151-41110	AT1	Black (BK)	62.5	4.70	7.40	50	7	100
151-41219	AT2	Natural (NA)	63.0	9.00	6.40	85	8	100
151-41210	AT2	Black (BK)	63.0	9.00	6.40	85	8	100
151-41319	AT3	Natural (NA)	100.0	9.00	6.40	85	14	100
151-41310	AT3	Black (BK)	100.0	9.00	6.40	85	14	100

All dimensions in mm. Subject to technical changes.



Identification ties and plates for marking cable bundles

• Identification Markers Q-tags

Features and Benefits

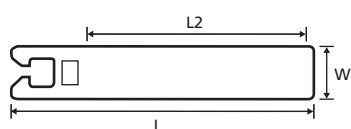
Q-tags are used to identify a cable or a cable bundle and is secured with a Q-tie. The Q-tag's flag design allows the user to quickly read or scan the printed information.

The tags can be marked by hand with a marker pen (T82 series) or with a printed adhesive label. HellermannTyton offers a complete printing solution for Q-tags: printers, labels, ribbons, and market leading label design software; Tagprint Pro V2.

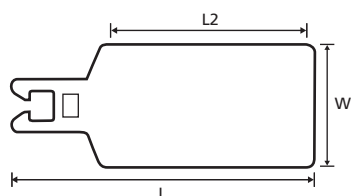
Using Q-ties and Q-tags gives users the confidence that cables and cable bundles are safely secured and the text is highly visible.



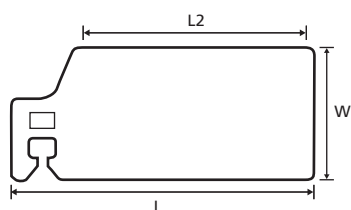
The flagged orientation of Q-tags ensures that printed texts are easily visible.



Q-tag QT7016R



Q-tag QT7040R



Q-tag QT7040S



Q-tags are available in different sizes and types.



Q-tags can be labelled with pre-printed labels or by hand.

Please find more Q-Series products for your system solution on page 81 and 166.

Material Data	
Material	Polyamide 6.6 (PA66)
Colour	Natural (NA)
Operating Temperature	-40 °C to +85 °C continuous, (+105 °C for 500 h)
Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Length (L2)	Width (W)	Strap Width max. (G)	Pack Cont.	Colour
151-10950	QT7016R	100.0	70.0	18.0	4.7	50	Natural (NA)
151-10951	QT7040R	100.0	70.0	42.0	4.7	50	Natural (NA)
151-10952	QT7040S*	100.0	70.0	42.0	3.6	50	Natural (NA)
151-10953	QT10065R	135.0	100.0	67.0	4.7	25	Natural (NA)
Marker pens T82							
500-50820	T82S-BK	—	—	—	—	2	Black (BK)
500-50822	T82R-RD	—	—	—	—	2	Red (RD)

All dimensions in mm. Subject to technical changes.

* right angled



Identification ties and plates for marking cable bundles

• IMP Plates

Features and Benefits

Where maintenance and repair work is needed, IT and IMP plates can be marked with labels printed on a thermal printer. This is an excellent tool for engineers to track repair work or for simple identification after termination has taken place.

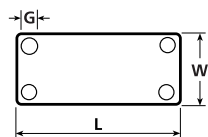
The design and printing of the adhesive labels can be carried out using Tagprint Pro.

Any size of cable diameter can be marked dependant on the length of cable tie chosen. The maximum strap width is 7.4mm.

If needed, IT and IMP plates can be written on with T82 marker pens. They can also be direct-printed using the hot stamping process. Just ask us.



Unlimited cable bundle diameters can be securely identified.



IT1, IMP

Material Data	
Material	Polyamide 6.6 (PA66)
Colour	Natural (NA), Black (BK)
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2



 **More information on marker pens can be found on page 495.**

Technical Table

Article-No.	Type	Colour	Length (L)	Width (W)	Strap Width max. (G)	Pack Cont.	Recommended Labels
151-42119	IT1	Natural (NA)	44.0	19.00	4.80	100	TAG28-16TD1
151-42159	IMP1.5	Natural (NA)	38.1	19.10	4.80	100	TAG18-16TD1
151-42229	IMP2	Natural (NA)	19.01	50.80	4.80	100	TAG43-16TD1
151-42259	IMP2.5	Natural (NA)	19.01	63.50	4.80	100	TAG43-16TD1
151-42269	IMP2.5	Natural (NA)	44.45	63.50	4.80	100	TAG43-41TD1
151-42359	IMP3.5	Natural (NA)	19.01	88.90	4.80	100	TAG68-16TD1

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Identification ties and plates for marking cable bundles

• IT Ties

Features and Benefits

These cable ties are suitable for the identification and securing of cable bundles, saving valuable installation time by using just one product to both secure and identify. They can be marked either on-site or after bundling has taken place.

They can be marked manually using the T82S series of indelible marker pens. In addition there is a large selection of labels available for marking.

Application

One of the major benefits is the ability to both secure and identify cable bundles at different times.



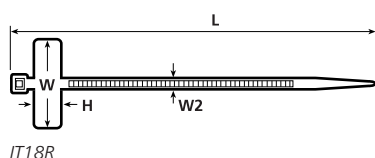
One operation with two benefits.

Material Data	
Material	Polyamide 6.6 (PA66)
Colour	Natural (NA), Black (BK), Available on request
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V2

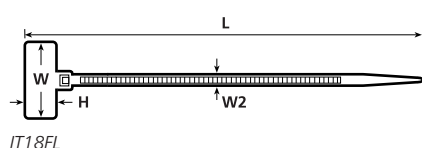


Certifications please see Appendix.

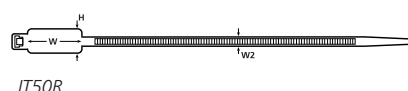
More information on marker pens can be found on page 495.



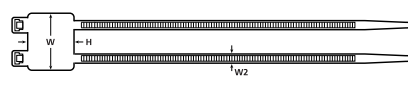
IT18R



IT18FL



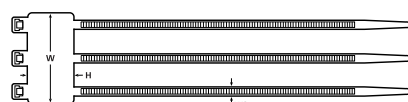
IT50R



IT50RD



IT50L



IT50RT

Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Length (L)	Width (W2)	Min. Tensile Strength (N)	Pack Cont.	Recommended Labels
111-81821	IT18R	Natural (NA)	6.00	22.00	25.00	8.00	100.0	2.30	80	100	TAG23-06TD1
111-81919	IT18FL	Natural (NA)	1.50	19.00	20.50	9.00	110	2.50	80	100	TAG18-07TD1
111-85019	IT50R	Natural (NA)	9.50	44.50	28.00	12.90	203	4.60	225	100	TAG23-10TD1
111-85219	IT50RD	Natural (NA)	10.00	44.00	29.00	26.30	205	4.70	225	50	TAG26-21TD1
111-85119	IT50RT	Natural (NA)	10.00	44.00	46.00	26.30	205	4.70	225	50	TAG43-21TD1
111-85319	IT50L	Natural (NA)	10.00	100.00	56.00	12.80	390	4.70	225	100	TAG52-10TD1

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



Adhesive labels for plates and tags, thermal transfer

• Material 1210 (White)

Features and Benefits

These labels are specially tailored to the sizes used in the IT marking tie and IMP tag range.

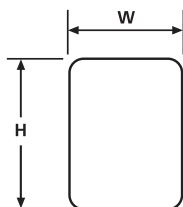
The flexible material sticks to the marking tie or tag, even on rounded surfaces. Using unique numbering, graphics, or barcodes the labels give excellent asset identification possibilities. This solution produces professional marking of tubes, pipes, cables and other parts.

For problem-free printing, we recommend Tagprint Pro software, and TT4000+ and TT420+ printers.

Recommended ribbons: TTRD



Thermal Transfer Printer



Identification ties and tags.

Material Data	
Material	Type 1210, Vinyl (PVC), white gloss (WH)
Operating Temperature	-20 °C to +80 °C
Curing Temperature	from +5 °C
Adhesive	Acrylic
Recommended Ribbon Type	TT822OUT
Thickness of Foil (µm)	83
Chem. Material Properties	Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.



Technical Table

Article-No.	Type	Colour	Width (W)	Height (H)	Width of Liner (WL)	For Size	Labels per Row	Pack Cont.
Thermal Transfer - Plain Labels, Material 1210								
596-12126	TAG18-07TD1-1210-WH	White (WH)	18.00	7.00	24.0	IT18FL	1	5000
596-12127	TAG18-16TD1-1210-WH	White (WH)	18.00	16.00	24.0	IMP1.5	1	2500
596-12128	TAG23-06TD1-1210-WH	White (WH)	23.00	6.00	30.0	IT18R	1	5000
596-12129	TAG23-10TD1-1210-WH	White (WH)	23.00	10.00	30.0	IT50R	1	5000
596-12130	TAG26-21TD2-1210-WH	White (WH)	26.00	21.00	57.0	IT50RD	2	2500
596-12131	TAG28-13TD1-1210-WH	White (WH)	28.00	16.00	34.0	IT1, IMP2	1	2500
596-12132	TAG43-16TD1-1210-WH	White (WH)	43.00	16.00	50.0	IMP2.5	1	2500
596-12133	TAG43-21TD1-1210-WH	White (WH)	43.00	21.00	50.0	IT50RT	1	2500
596-12134	TAG43-41TD1-1210-WH	White (WH)	43.00	41.00	50.0	IMP2.5W1.75	1	1000
596-12135	TAG52-10TD1-1210-WH	White (WH)	52.00	10.00	58.0	IT50L	1	5000
596-12136	TAG68-16TD1-1210-WH	White (WH)	68.00	16.00	74.0	IMP3.5	1	2500

All dimensions in mm. Subject to technical changes.



Adhesive labels for plates and tags, thermal transfer

• Material 1211 (Yellow)

Features and Benefits

These labels are specially tailored to the sizes used in the IT marking tie and IMP tag range.

The flexible material sticks to the marking tie or tag, even on rounded surfaces. Using unique numbering, graphics, or barcodes the labels give excellent asset identification possibilities. This solution produces professional marking of tubes, pipes, cables and other parts.

For problem-free printing, we recommend Tagprint Pro software, and TT4000+ and TT420+ printers.

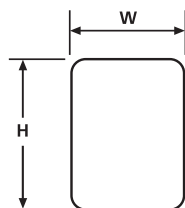
Recommended ribbons: TTRD



Identification ties and tags.



Thermal Transfer Printer



Material Data	
Material	Type 1211, Vinyl (PVC), yellow gloss (YE)
Operating Temperature	-20 °C to +80 °C
Curing Temperature	from +5 °C
Recommended Ribbon Type	TT822OUT
Adhesive	Acrylic
Thickness of Foil (µm)	83
Chem. Material Properties	Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.



Technical Table

Article-No.	Type	Colour	Width (W)	Height (H)	Width of Liner (WL)	For Size	Labels per Row	Pack Cont.
Thermal Transfer - Plain Labels, Material 1211								
596-12110	TAG18-07TD1-1211-YE	Yellow gloss (GSYE)	18.00	7.00	24.0	IT18FL	1	5000
596-12111	TAG18-16TD1-1211-YE	Yellow gloss (GSYE)	18.00	16.00	24.0	IMP1.5	1	2500
596-12112	TAG23-06TD1-1211-YE	Yellow gloss (GSYE)	23.00	6.00	30.0	IT18R	1	5000
596-12113	TAG23-10TD1-1211-YE	Yellow gloss (GSYE)	23.00	10.00	30.0	IT50R	1	5000
596-12114	TAG26-21TD2-1211-YE	Yellow gloss (GSYE)	26.00	21.00	57.0	IT50RD	2	2500
596-12115	TAG28-16TD1-1211-YE	Yellow gloss (GSYE)	28.00	16.00	34.0	IT1, IMP2	1	2500
596-12116	TAG43-16TD1-1211-YE	Yellow gloss (GSYE)	43.00	16.00	50.0	IMP2.5	1	2500
596-12117	TAG43-21TD1-1211-YE	Yellow gloss (GSYE)	43.00	21.00	50.0	IT50RT	1	2500
596-12118	TAG43-41TD1-1211-YE	Yellow gloss (GSYE)	43.00	41.00	50.0	IMP2.5W1.75	1	1000
596-12119	TAG52-10TD1-1211-YE	Yellow gloss (GSYE)	52.00	10.00	58.0	IT50L	1	5000
596-61211	TAG68-16TD1-1211-YE	Yellow gloss (GSYE)	68.00	16.00	74.0	IMP3.5	1	2500

All dimensions in mm. Subject to technical changes.



Carrier Marking System, laser

• Helafix HC Carriers

Features and Benefits

The versatile Helafix HC and HCR character carriers are suitable for temporary or permanent marking. They are fixed in place using series T18 cable ties, screws or rivets. They are also easy to attach for temporary marking. Material and profile reliably protect the inserted label against damp, dirt, damage and UV radiation.

Helafix HC is supplied as cut lengths in bags, pre-cut and pre-punched. Helafix HCR is supplied in reel format and can be cut to size with the appropriate HCT tools.

We recommend HFX labels printed on an office laser printer using our Tagprint Pro labelling software.

Application

Marking of cable looms, cables, pipes, transport systems, valves, sensors, for inventory marking on machines or other parts.



Multi-purpose identification potential: Helafix HC and HCR.

Material Data	
Material	Polyethylene, UV Resistant (PEUV)
Colour	Transparent (CL)
Operating Temperature	-60 °C to +65 °C
Flammability	UL94 HB
Chem. Material Properties	Excellent resistance to UV light, oils, water and a variety of solvents.



Technical Table

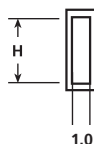
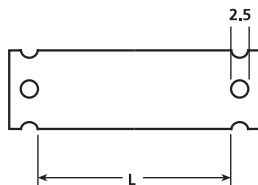
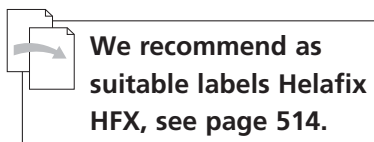
Article-No.	Type	Length (L)	Height (H)	Recommended Labels	Pack Cont.	Reel Length	Application Tool
Helafix HC							
525-07173	HC06-17	17.5	7.00	-	50	-	-
525-07353	HC06-35	35.0	7.00	-	50	-	-
525-10173	HC09-17	17.5	10.00	HFX9-17P	50	-	-
525-10353	HC09-35	35.0	10.00	HFX9-35P	50	-	-
525-10523	HC09-52	52.0	10.00	HFX9-52P	50	-	-
525-13173	HC12-17	17.5	13.00	-	50	-	-
525-13353	HC12-35	35.0	13.00	HFX12-35P	50	-	-
525-13523	HC12-52	52.0	13.00	HFX12-52P	50	-	-
525-13703	HC12-70	70.0	13.00	-	50	-	-
525-19353	HC 18-35	35.0	19.00	-	50	-	-
525-19523	HC 18-52	52.0	19.00	-	50	-	-
525-19703	HC 18-70	70.0	19.00	-	50	-	-
525-25523	HC 24-52	52.0	25.00	-	50	-	-
525-25703	HC 24-70	70.0	25.00	-	50	-	-
Helafix HCR							
525-07003	HCR 06	-	7.00	-	25	25.0 m	-
525-10003	HCR 09	-	10.00	HFX9	25	25.0 m	HCT1
525-13003	HCR 12	-	13.00	HFX12	25	25.0 m	HCT2
525-19003	HCR 18	-	19.00	-	-	25.0 m	-
525-25003	HCR 24	-	25.00	-	-	25.0 m	-

All dimensions in mm. Subject to technical changes.

Technical Table

Article-No.	Type	For Carrier Width	For Size	Ø D
Helafix HCT tang				
525-00010	HCT1	10.00	HCR09	2.5
525-00013	HCT2	13.00	HCR12	2.5

All dimensions in mm. Subject to technical changes.





Carrier Marking System, laser

• Helafix HFX Labels

Features and Benefits

The HFX labels have been specially developed for application with the Helafix carrier strip. They are supplied in the DIN A4 format and can be printed with a laser printer or marked manually using the T82S series of indelible marker pens. Every sheet of HFXP labels is supplied in two colours (front yellow, reverse page white). Further colours are available on request.

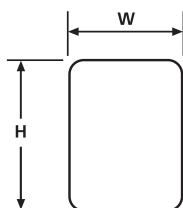
For problem free printing, we recommend our software Tagprint Pro.



A precise match for Helafix, for permanent identification coding.



Laser Printer



Material Data	
Material	Polyester
Colour	Yellow (YE), White (WH)
Operating Temperature	-70 °C to +160 °C
Chem. Material Properties	Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and butylcellosolve solvent, battery acid. UV light resistant and suitable for outdoor usage when marked with marking pen T82 or printed with laserprinter.



For problem free printing, we recommend our software Tagprint Pro (page 547), for simple applications use the MS-Windows Word templates on www.HellermannTyton.com (downloadzone).

Technical Table

Article-No.	Type	Colour	Width (W)	Height (H)	Labels per Sheet	Sheets per Pack	Carton Quantity
526-01014	HFX9-17P	Yellow (YE), White (WH)	17.50	9.00	319	20	6380
526-01514	HFX9-35P	Yellow (YE), White (WH)	35.00	9.00	145	20	2900
526-02014	HFX9-52P	Yellow (YE), White (WH)	52.50	9.00	124	20	2480
526-01714	HFX12-35P	Yellow (YE), White (WH)	35.00	12.00	110	20	2200
526-02214	HFX12-52P	Yellow (YE), White (WH)	52.50	12.00	92	20	1840
526-02514	HFX12-105P	Yellow (YE), White (WH)	105.00	12.00	44	20	880
526-05014	HFX12-210P	Yellow (YE), White (WH)	210.00	12.00	22	20	440
526-03014	HFX24-105P	Yellow (YE), White (WH)	105.00	24.00	22	20	440
526-05514	HFX24-210P	Yellow (YE), White (WH)	210.00	24.00	11	20	220
526-04014	HFX48-105P	Yellow (YE), White (WH)	105.00	48.00	10	20	200
526-06014	HFX48-210P	Yellow (YE), White (WH)	210.00	48.00	5	20	100

All dimensions in mm. Subject to technical changes.