

ShrinkTrak Ladder style 3:1 UL grade heatshrink wire markers, thermal transfer

Features and Benefits

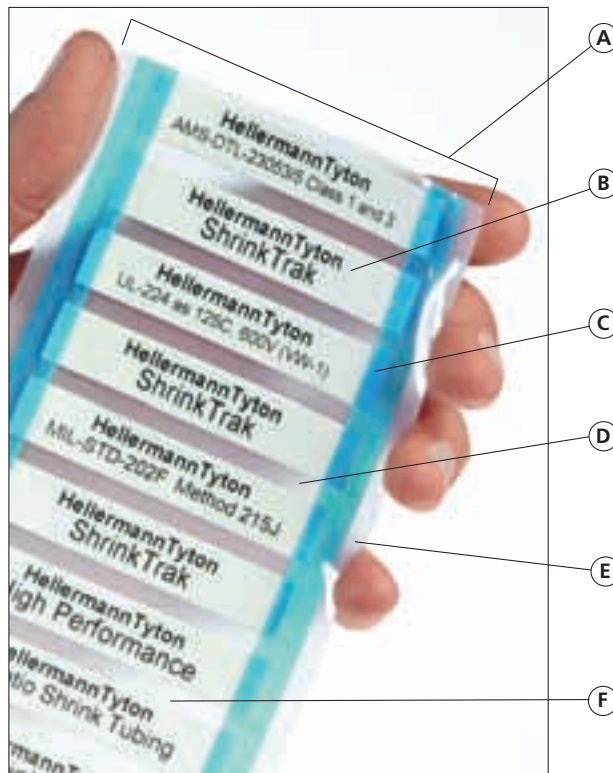
HellermannTyton's ShrinkTrak 3:1 ratio heat shrinkable markers make it easy to identify wire and cable. The ladder-style function has been designed to enhance the user's ability to pick markers off the carrier. The side slits have been specifically designed to ensure that the wire entry gap is as large 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 and solvent resistant print 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

High Performance Design

- Centre slit and multiple slit versions reduce or eliminate hand cutting
- Non-slip liner ensures trouble free performance through thermal printers
- Use HellermannTyton's Durattach ribbon system for the highest print performance on the market



ShrinkTrak ladderstyle markers with side slits for easy application.

Marker Production

- Use the supplied box to conveniently store and dispense markers
- Optional 'Caddy' enables users to take out the marker reel from the box and mount behind the printer, this also gives the user the ability to easily see the remaining marker stock

- A.** Standard width to fit almost all thermal transfer printers
- B.** Smooth, flat surface ensures consistent printing
- C.** Side slit for easy insertion and removal from liner
- D.** Reduced spacing between markers for more efficient use of ribbon material
- E.** Pin-feed system not required
- F.** Markers firmly secured on anti-static liner to reduce static build-up in printers

Ease of use - Step by Step Guide



Step 1
Print with thermal transfer printer



Step 2
Bend liner at side slit



Step 3
Insert wire into marker



Step 4
Pull marker away from the liner



ShrinkTrak Applied!



Please note! Not every product listed carries these approvals!
For Product Specific Approvals please refer to the Appendix.

ShrinkTrak Ladder style 3:1 UL grade heatshrink wire markers, thermal transfer

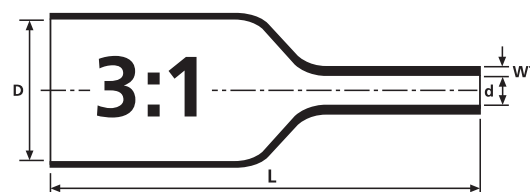
Technical Table

Type	Supplied Ø D	Recov. Ø d	Wall (WT)
HST 3-1	3.0	1.0	0.6
HST 4.8-1.6	4.8	1.6	0.65
HST 6-2	6.0	2.0	0.7
HST 9-3	9.0	3.0	0.8
HST 12-4	12.0	4.0	0.85
HST 18-6	18.0	6.0	1.0
HST 24-8	24.0	8.0	1.2

All dimensions in mm. Subject to technical changes.

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
Dielectric Strength Specification	19.7 kV/mm UL-224 as +125C, 600V (VW-1), SAE- AS81531, MIL-STD-202G Method 215K, AMS-DTL-23053/5 Class 1 and 3



Recommended ribbons for printing on ShrinkTrak

Features and Benefits

Using the correct mix of ribbon and material ensures you have the best possible print performance. The range of ribbons offered is designed to give maximum print clarity and performance where possible.

The highest standard of mark permanence and clarity is achieved when printing on white or yellow heatshrink using either TTDTHOUT 100MM or TTRC+ 100MM. Areas of known application is for mass transit, military, and medical markets.

TTDTHOUT passes the following standards; MIL-STD-202G (method 215J) on supplied and recovered markers, BS 4G 198-3 (type 11A), and Def. Stan. 59-97 Issue 3 Type 2a

on recovered markers.

TTRC+ passes the following standards; MIL-STD-202G (method 215J), BS 4G 198-3 (type 11A), and Def. Stan. 59-97 Issue 3 Type 2a on recovered markers.

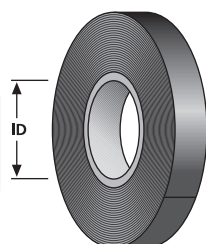
Those people requiring similar excellent print characteristics on black heatshrink can use TT822OUT8. The ribbon colour is silver grey and gives a good contrast to the black material. TT822OUT8 passes MIL-STD-202G (method 215J) on recovered markers.

Should you need the best contrast on a black heatshrink please use TTRW. TTRW passes MIL-STD-202G (method 215J) on recovered markers.



Ribbons - TTRA, TTRC+.

ID: The standard
inside core dia-
meter is 25.4 mm.



ShrinkTrak

Article-No.	Type	Colour	Pack Cont. (m)
556-00141	TTDTHOUT 100MM	Black (BK)	300
556-00103	TTRC+ 100MM	Black (BK)	300
556-00161	TT822OUT8 110MM	Silver Grey (GY)	300
556-00133	TTRW 100MM	White (WH)	300

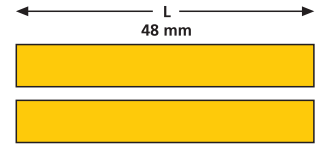
All dimensions in mm. Subject to technical changes.

**ShrinkTrak Ladder style 3:1 UL
grade heatshrink wire markers,
thermal transfer**

Technical Table

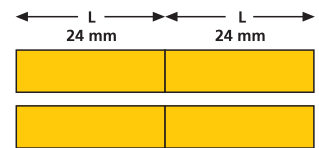
Article-No.	Type	Colour	Markers per row	Length (L)	Pack Cont.
HST 3-1 (3mm supplied, 1mm recovered)					
553-50001	HST3-1BK	Black (BK)	1	48	250
553-50179	HST3-1BK-S	Black (BK)	2	24	500
553-50180	HST3-1BK-2S	Black (BK)	3	16	750
553-50181	HST3-1BK-3S	Black (BK)	4	12	1000
553-50002	HST3-1WH	White (WH)	1	48	250
553-50003	HST3-1WH	White (WH)	1	48	1000
553-50078	HST3-1WH	White (WH)	1	48	2500
553-50004	HST3-1WH-S	White (WH)	2	24	500
553-50074	HST3-1WH-S	White (WH)	2	24	2000
553-50067	HST3-1WH-S	White (WH)	2	24	5000
553-50070	HST3-1WH-2S	White (WH)	3	16	750
553-50075	HST3-1WH-2S	White (WH)	3	16	3000
553-50063	HST3-1WH-3S	White (WH)	4	12	1000
553-50088	HST3-1WH-3S	White (WH)	4	12	4000
553-50005	HST3-1YE	Yellow (YE)	1	48	250
553-50006	HST3-1YE	Yellow (YE)	1	48	1000
553-50007	HST3-1YE-S	Yellow (YE)	2	24	500
553-50076	HST3-1YE-S	Yellow (YE)	2	24	2000
553-50071	HST3-1YE-2S	Yellow (YE)	3	16	750
553-50077	HST3-1YE-2S	Yellow (YE)	3	16	3000
HST 4.8-1.6 (4.8mm supplied, 1.6mm recovered)					
553-50008	HST4.8-1.6BK	Black (BK)	1	48	250
553-50182	HST4.8-1.6BK-S	Black (BK)	2	24	500
553-50183	HST4.8-1.6BK-2S	Black (BK)	3	16	750
553-50184	HST4.8-1.6BK-3S	Black (BK)	4	12	1000
553-50009	HST4.8-1.6WH	White (WH)	1	48	250
553-50010	HST4.8-1.6WH	White (WH)	1	48	1000
553-50177	HST4.8-1.6WH	White (WH)	1	48	3000
553-50079	HST4.8-1.6WH	White (WH)	1	48	5000
553-50011	HST4.8-1.6WH-S	White (WH)	2	24	500
553-50080	HST4.8-1.6WH-S	White (WH)	2	24	2000
553-50176	HST4.8-1.6WH-S	White (WH)	2	24	10000
553-50068	HST4.8-1.6WH-2S	White (WH)	3	16	750
553-50072	HST4.8-1.6WH-2S	White (WH)	3	16	3000
553-50064	HST4.8-1.6WH-3S	White (WH)	4	12	1000
553-50081	HST4.8-1.6WH-3S	White (WH)	4	12	4000
553-50012	HST4.8-1.6YE	Yellow (YE)	1	48	250
553-50013	HST4.8-1.6YE	Yellow (YE)	1	48	1000
553-50014	HST4.8-1.6YE-S	Yellow (YE)	2	24	500
553-50069	HST4.8-1.6YE-2S	Yellow (YE)	3	16	750
553-50073	HST4.8-1.6YE-2S	Yellow (YE)	3	16	3000
HST 6-2 (6mm supplied, 2mm recovered)					
553-50015	HST6-2BK	Black (BK)	1	48	250
553-50185	HST6-2BK-S	Black (BK)	2	24	500
553-50186	HST6-2BK-2S	Black (BK)	3	16	750
553-50178	HST6-2BK-3S	Black (BK)	4	12	1000
553-50016	HST6-2WH	White (WH)	1	48	250
553-50017	HST6-2WH	White (WH)	1	48	1000

All dimensions in mm. Subject to technical changes.



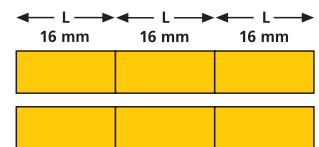
1

1 marker per row



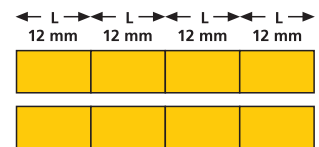
2

2 markers per row



3

3 markers per row



4

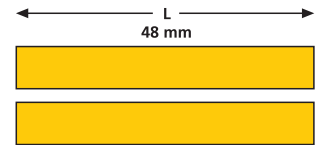
4 markers per row

**ShrinkTrak Ladder style 3:1 UL
grade heatshrink wire markers,
thermal transfer**

Technical Table

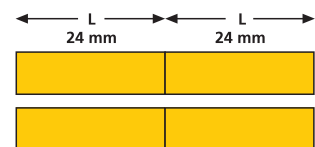
Article-No.	Type	Colour	Markers per row	Length (L)	Pack Cont.
HST 6-2 (6mm supplied, 2mm recovered)					
553-50090	HST6-2WH	White (WH)	1	48	2500
553-50018	HST6-2WH	White (WH)	1	48	5000
553-50019	HST6-2WH-S	White (WH)	2	24	500
553-50084	HST6-2WH-S	White (WH)	2	24	2000
553-50082	HST6-2WH-2S	White (WH)	3	16	750
553-50065	HST6-2WH-3S	White (WH)	4	12	1000
553-50089	HST6-2WH-3S	White (WH)	4	12	4000
553-50020	HST6-2YE	Yellow (YE)	1	48	250
553-50021	HTS6-2YE	Yellow (YE)	1	48	1000
553-50022	HST6-2YE-S	Yellow (YE)	2	24	500
553-50085	HST6-2YE-S	Yellow (YE)	2	24	2000
553-50083	HST6-2YE-2S	Yellow (YE)	3	16	750
HST 9-3 (9mm supplied, 3mm recovered)					
553-50023	HST9-3BK	Black (BK)	1	48	250
553-50187	HST9-3BK-S	Black (BK)	2	24	500
553-50188	HST9-3BK-2S	Black (BK)	3	16	750
553-50189	HST9-3BK-3S	Black (BK)	4	12	1000
553-50024	HST9-3WH	White (WH)	1	48	250
553-50192	HST9-3WH	White (WH)	1	48	1000
553-50025	HST9-3WH-S	White (WH)	2	24	500
553-50066	HST9-3WH-3S	White (WH)	4	12	1000
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)					
553-50028	HST12-4BK	Black (BK)	1	48	250
553-50190	HST12-4BK-S	Black (BK)	2	24	500
553-50191	HST12-4BK-2S	Black (BK)	3	16	750
553-50029	HST12-4WH	White (WH)	1	48	250
553-50193	HST12-4WH	White (WH)	1	48	1000
553-50030	HST12-4WH-S	White (WH)	2	24	500
553-50086	HST12-4WH-3S	White (WH)	4	12	1000
553-50031	HST12-4YE	Yellow (YE)	1	48	250
553-50032	HST12-4YE-S	Yellow (YE)	2	24	500
553-50087	HST12-4YE-3S	Yellow (YE)	4	12	1000
HST 18-6 (18mm supplied, 6mm recovered)					
553-50033	HST18-6BK	Black (BK)	1	48	250
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)					
553-50038	HST24-8BK	Black (BK)	1	48	250
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.



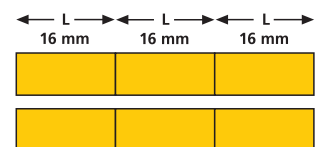
1

1 marker per row



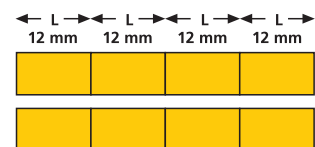
2

2 markers per row



3

3 markers per row



4

4 markers per row

TULT - Continuous 3:1 UL grade heatshrink printable tubing, thermal transfer

Features and Benefits

The TULT series of 3:1 self-extinguishing and highly flexible heatshrink tubing complies to UL224 VW-1 and CSA and 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.

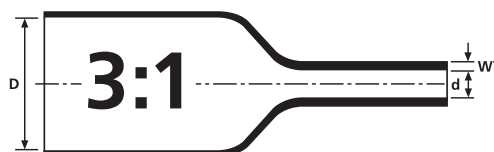


TULT - highly flexible heatshrink tubings in 5 colours and 7 sizes.

Specifications please see table page 439 in Appendix.

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
	Operating Temperature	-55 °C to +135 °C , Intermittent +225 °C
	Specification	UL224 VW-1, CSA

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



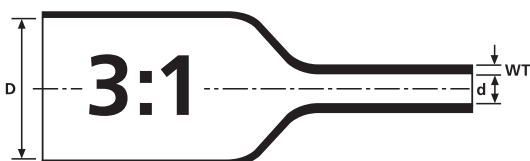
Please Note for Product Specific Approvals please refer to the Appendix

TULT - Continuous 3:1 UL grade heatshrink printable tubing, thermal transfer

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

All dimensions in mm. Subject to technical changes.



TCGT - Continuous 3:1 commercial grade heatshrink printable tubing, thermal transfer

Features and Benefits

The TCGT series of 3:1 commercial grade yet highly flexible heatshrink tubing complies to CSA and covers a cable range from 24mm 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.

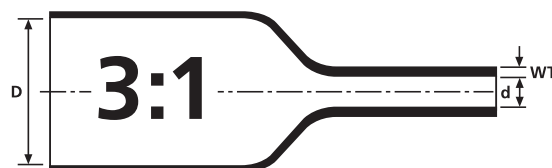


Reusable boxes protect the tubings against dust and dirt.

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
Operating Temperature	-55 °C to +135 °C , Intermittent +225 °C
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	0.60
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



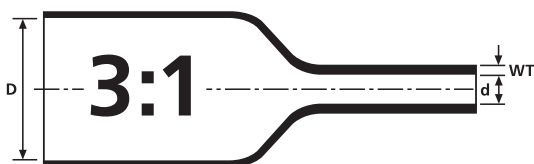
Please Note for Product Specific Approvals please refer to the Appendix

TCGT - Continuous 3:1 commercial grade heatshrink printable tubing, thermal transfer

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	0.60	22 m x 5
553-30484	TCGT4.8-1.6YE	Yellow (YE)	4.8	1.6	0.60	22 m x 5
553-30482	TCGT4.8-1.6RD	Red (RD)	4.8	1.6	0.60	22 m x 5
553-30486	TCGT4.8-1.6BU	Blue (BU)	4.8	1.6	0.60	22 m x 5
553-30480	TCGT4.8-1.6BK	Black (BK)	4.8	1.6	0.60	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 m

All dimensions in mm. Subject to technical changes.



TLFX - Continuous 2:1 Halogen Free heatshrink printable tubing, thermal transfer

Features and Benefits

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



High performance halogen free printed markers in unshrunk condition.



High performance halogen free printed markers in shrunk condition.

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	50
554-50705	TLFX254YE	Yellow (YE)	25.4	12.7	0.90	10
554-50711	TLFX254YE-B	Yellow (YE)	25.4	12.7	0.90	50
554-50804	TLFX381WH	White (WH)	38.1	19.0	1.00	10
554-50808	TLFX381WH-B	White (WH)	38.1	19.0	1.00	50
554-50805	TLFX381YE	Yellow (YE)	38.1	19.0	1.00	10
554-50811	TLFX381YE-B	Yellow (YE)	38.1	19.0	1.00	50

All dimensions in mm. Subject to technical changes.

TLFPT - Continuous Halogen Free non-shrink printable tubing, thermal transfer

Features and Benefits

A flattened printable polyolefin tube ideal for use with thermal printers where the need for an LFH material is critical.

The specially formulated tube is made from a non-shrink compound and when used with TTRC+ or TTDTHOUT the best possible print performance is achieved.

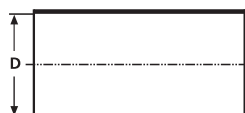
The printed tube can be applied to a wire or cable bundle before termination or onto a carrier. Three carriers are available, AT1 (see photo), AT2 and AT3 (see page 331).



TLFPT mounted with Arrow Tag AT1.

Specifications please see table page 439 in Appendix.

Material Data	
Material	Polyolefin Compound unlinked (PO)
Operating Temperature	-40 °C to +90 °C Continuous, (+160 °C for 200 h)
Flammability	Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation
Specification	London Underground RSE STD 013, BS-6425 part 1



D inside diameter.

Technical Table				
Article-No.	Type	Colour	Inside Ø	Quantity per Reel
555-22500	TLFPT25YE	Yellow (YE)	2.5	15 m
555-22501	TLFPT25WH	White (WH)	2.5	15 m
555-23214	TLFPT32YE	Yellow (YE)	3.2	15 m
555-23219	TLFPT32WH	White (WH)	3.2	15 m
555-24000	TLFPT40YE	Yellow (YE)	4.0	15 m
555-24001	TLFPT40WH	White (WH)	4.0	15 m
555-24814	TLFPT48YE	Yellow (YE)	4.8	15 m
555-24819	TLFPT48WH	White (WH)	4.8	15 m
555-26414	TLFPT64YE	Yellow (YE)	6.4	15 m
555-26419	TLFPT64WH	White (WH)	6.4	15 m
555-29514	TLFPT95YE	Yellow (YE)	9.5	15 m
555-29519	TLFPT95WH	White (WH)	9.5	15 m

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to the Appendix.

TIPTAG – Halogen free cable bundle identification tags, thermal transfer

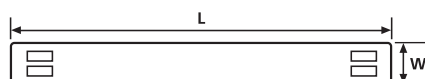
Features and Benefits

Printable tags "from the roll" can be printed using the TT range of printers.

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.



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
Operating Temperature	-40 °C to +90 °C Continuous, (+160 °C for 200 h)
Specification	London Underground RSE STD 013, BS-6425 part 1

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
556-20062	TIPTAG11X65RD	Red (RD)	65	11.0	190
556-20063	TIPTAG11X65OG	Orange (OG)	65	11.0	190
556-20065	TIPTAG11X65GN	Green (GN)	65	11.0	190
556-20066	TIPTAG11X65BU	Blue (BU)	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
556-20072	TIPTAG11X105RD	Red (RD)	105	11.0	115
556-21072	TIPTAG15X105RD	Red (RD)	105	15.0	115
556-21075	TIPTAG15X105GN	Green (GN)	105	15.0	115
556-21076	TIPTAG15X105BU	Blue (BU)	105	15.0	115

All dimensions in mm. Subject to technical changes.



Please note! Not every product listed carries these approvals! For Product Specific Approvals please refer to the Appendix.

TIPTAG PU – High temperature cable bundle identification tags, thermal transfer

Features and Benefits

Exceptional print anchoring 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 become rubbed away a visible mark will still remain within the TIPTAG material - a tattoo effect.

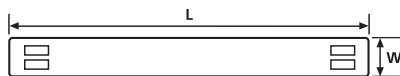
This tattoo-like effect usually occurs after 7 days as the material gradually absorbs the ink from the surface of the TIPTAG.

TIPTAGS are supplied in reel format.

Other sizes and colours are available on request.



The printed mark has a tattoo-like permanency.



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

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

All dimensions in mm. Subject to technical changes.

TIPTAG VA – Halogen free ladder style cable bundle identification tags, thermal transfer

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 surface has a different colour so enabling the customer to choose between a white or yellow background giving both good background text contrast and reduced stock options.

Should print requirements need to meet MIL-STD-202G; TIPTAG VA passes with TTDTHOUT on white side, and passes with TT900OUT, and TT822OUT on yellow side. The perforated structure of the TIPTAGS ensures that pickability is key. 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.

The storage box has been developed to ensure the Tags remain as clean as possible in use or when stored.

Tags are supplied in reels of 500 and can be used with any thermal printer.



Highly visible and lightweight cable marking.

Material Data

Material	Cross Laminated Polyolefin
Colour	Yellow / White
Operating Temperature	-40 °C to +93 °C

Technical Table

Article-No.	Type	Colour	Width (W)	Length (L)	Pack Cont.
556-26006	TIPTAGVA10X65YEWH	White (WH), Yellow (YE)	65	12.7	500
556-26008	TIPTAGVA15X65YEWH	White (WH), Yellow (YE)	65	17.4	500
556-26007	TIPTAGVA10X90YEWH	White (WH), Yellow (YE)	90	12.7	500
556-26009	TIPTAGVA15X90YEWH	White (WH), Yellow (YE)	90	17.4	500

All dimensions in mm. Subject to technical changes.



Please note! Not every product listed carries these approvals! For Product Specific Approvals please refer to the Appendix.

Self-laminating labels (WH/CL), thermal transfer - Material 896

Features and Benefits

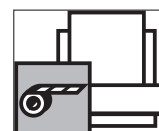
With its white printable section giving good contrast against the cable substrate and the transparent protective laminate, this label is ideally suited for labelling cables and pipes after cables have been connected or for rework requirements. Other colours are available on request.

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

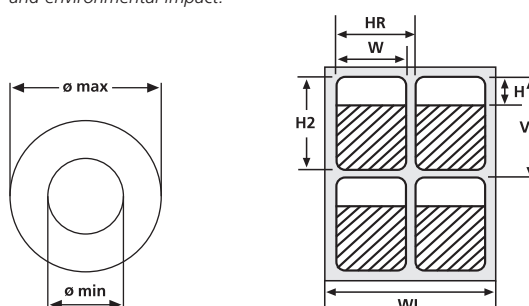
Halogen-free polyolefin material also available on request.



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



Thermal Transfer Printer



Helatag self-laminating label

The quick overview:

all materials and properties see page 295
all labels in original size.

see page 375.

Material Data	
Material	Type 896, Vinyl, white-transparent (WH/CL)
Operating Temperature	-40 °C to +80 °C (+100° C for 24h)
Curing Temperature	From +8 °C
Adhesive	Acrylic
Thickness of Foil (TF)	75
Chem. Material Properties	self extinguishing, resistant to oils, water and solvents

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.
596-36896	TAG36TD7-896-WHCL	White (WH), Transparent (CL)	2.0	4.7	12.70	9.00	23.80	95.0	7	10000
596-26896	TAG26TD6-896-WHCL	White (WH), Transparent (CL)	1.5	3.0	12.70	9.52	19.05	85.0	6	10000
596-02896	TAG2TD6-896-WHCL	White (WH), Transparent (CL)	3.5	7.6	12.70	12.70	36.50	82.0	6	5000
596-23896	TAG23TD5-896-WHCL	White (WH), Transparent (CL)	4.5	10.0	19.05	12.70	44.50	101.6	5	5000
596-51896	TAG51TD3-896-WHCL	White (WH), Transparent (CL)	1.35	3.0	25.40	8.80	19.05	85.0	3	5000
596-22896	TAG22TD3-896-WHCL	White (WH), Transparent (CL)	3.5	7.6	25.40	12.70	36.50	82.0	3	2500
596-25896	TAG25TD3-896-WHCL	White (WH), Transparent (CL)	4.5	10.0	25.40	12.70	44.50	82.0	3	2500
596-09896	TAG9TD3-896-WHCL	White (WH), Transparent (CL)	5.5	12.1	25.40	19.05	57.10	82.0	3	2500
596-03896	TAG3TD3-896-WHCL	White (WH), Transparent (CL)	10.0	22.2	25.40	25.40	95.25	82.0	3	1000
596-10789	TAG107TD3-896-WHCL	White (WH), Transparent (CL)	12.0	37.5	25.40	31.75	149.86	82.0	3	1000
596-38896	TAG38TD3-896-WHCL	White (WH), Transparent (CL)	20.8	47.5	25.40	38.10	187.20	82.0	3	1000
596-01896	TAG1TD2-896-WHCL	White (WH), Transparent (CL)	8.5	18.2	48.20	19.05	79.20	101.6	2	1000
596-10896	TAG10TD2-896-WHCL	White (WH), Transparent (CL)	5.5	12.1	49.53	19.05	57.10	101.6	2	1000
596-24896	TAG24TD1-896-WHCL	White (WH), Transparent (CL)	3.5	7.6	50.80	12.70	36.50	55.0	1	1000
596-06896	TAG6TD1-896-WHCL	White (WH), Transparent (CL)	10.0	22.2	50.80	25.40	95.25	55.0	1	500
596-07896	TAG07TD1-896-WHCL	White (WH), Transparent (CL)	20.8	47.5	50.80	38.10	187.20	55.0	1	250
596-91896	TAG91TD1-896-WHCL	White (WH), Transparent (CL)	8.0	16.0	70.00	35.00	85.00	74.0	1	500

All dimensions in mm. Subject to technical changes.

High temperature self-laminating labels, thermal transfer - Materials 320 and 322

Features and Benefits

Ideally suited for wire and cable marking in both high temperature and outside environments. A truly multi function material.

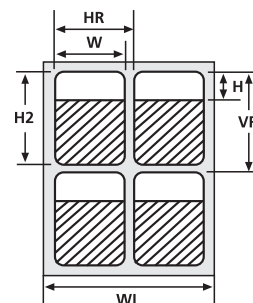
These thermal transfer printable labels are designed to print permanent, crisp legends on demand.

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

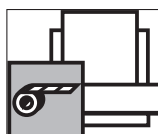
The labels are supplied in a protective box that ensures labels are kept as good as new. For problem-free printing, we recommend Tagprint PRO software.



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



Helatag self-laminating label



Thermal Transfer Printer

Material Data

RoHS	Material	Type 320, Polyvinylfluoride Tedlar®, white-transparent (WH/CL)
	Operating Temperature	-40 °C to +130 °C
	Curing Temperature	From +10 °C
	Adhesive	Acrylic
	Thickness of Foil (TF)	25
	Chem. Material Properties	excellent resistance against alcohol, solvents on petroleum bases, ester and ketone. Special resistance against UV radiation

Material Data

RoHS	Material	Type 322, Polyvinylfluoride Tedlar®, yellow-transparent (YE/CL)
	Operating Temperature	-40 °C to +130 °C
	Curing Temperature	From +10 °C
	Adhesive	Acrylic
	Thickness of Foil (TF)	25
	Chem. Material Properties	excellent resistance against alcohol, solvents on petroleum bases, ester and ketone. Special resistance against UV radiation

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										
596-36320	TAG36TD7-320-WHCL	White (WH), Transparent (CL)	2.0	4.7	12.70	9.00	23.80	95.0	7	10000
596-26320	TAG26TD6-320-WHCL	White (WH), Transparent (CL)	1.5	3.0	12.70	9.52	19.05	85.0	6	10000
596-02320	TAG2TD6-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	12.70	12.70	36.50	82.0	6	5000
596-23320	TAG23TD5-320-WHCL	White (WH), Transparent (CL)	4.5	10.0	19.05	12.70	44.50	101.6	5	5000
596-51320	TAG51TD3-320-WHCL	White (WH), Transparent (CL)	1.35	3.0	25.40	8.80	19.05	85.0	3	5000
596-22320	TAG22TD3-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	25.40	12.70	36.50	82.0	3	2500
596-25320	TAG25TD3-320-WHCL	White (WH), Transparent (CL)	4.5	10.0	25.40	12.70	44.50	82.0	3	2500
596-09320	TAG9TD3-320-WHCL	White (WH), Transparent (CL)	5.5	12.1	25.40	19.05	57.10	82.0	3	2500
596-03320	TAG3TD3-320-WHCL	White (WH), Transparent (CL)	10.0	22.2	25.40	25.40	95.25	82.0	3	1000
596-10732	TAG107TD3-320-WHCL	White (WH), Transparent (CL)	12.0	37.5	25.40	31.75	149.86	82.0	3	1000
596-38320	TAG38TD3-320-WHCL	White (WH), Transparent (CL)	20.8	47.5	25.40	38.10	187.20	82.0	3	1000
596-01320	TAG1TD2-320-WHCL	White (WH), Transparent (CL)	8.5	18.2	48.20	19.05	79.20	101.6	2	1000
596-10320	TAG10TD2-320-WHCL	White (WH), Transparent (CL)	5.5	12.1	49.53	19.05	57.10	101.6	2	1000
596-24320	TAG24TD1-320-WHCL	White (WH), Transparent (CL)	3.5	7.6	50.80	12.70	36.50	55.0	1	1000
596-06320	TAG6TD1-320-WHCL	White (WH), Transparent (CL)	10.0	22.2	50.80	25.40	95.25	55.0	1	500
596-07320	TAG07TD1-320-WHCL	White (WH), Transparent (CL)	20.8	47.5	50.80	38.10	187.20	55.0	1	250
Thermal Transfer - Self Laminating Labels, Material 322, yellow / transparent										
596-03322	TAG3TD3-322 YECL	Yellow (YE), Transparent (CL)	10.0	22.2	25.40	25.40	95.25	82.0	3	1000

All dimensions in mm. Subject to technical changes.

Self-laminating labels (WH/CL), laser - Material 740

Features and Benefits

DIN A4 Laser printable labels ideal for wire and cable marking, and voice/data cabling identification.

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

For longer labels a thicker material (type 750) is needed and this makes the printed label easier to apply to the wire bundle. A second advantage is that the thicker material is easier to remove from the label liner so making it easier to work with securing to larger diameter cables or pipes.

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.



Laminating the mark gives long-term print survivability.



Laser Printer

Application

The high quality polyester material makes these labels especially suitable for self-laminating marking of wires and cables. The protective film provides effective protection against abrasion or soiling of the labels. For cable markers with a total length of more than approx. 100mm, we use a slightly thicker material (type 750). This allows the marker to be removed from the sheet more easily by hand and the greater rigidity

of the material simplifies attachment onto a large cable or pipe.

For problem-free printing, we recommend Tagprint PRO software. This contains all the labels listed, which can be called up immediately. There is no need for time-consuming installation. For simple applications we recommend our MS Windows Word printer templates, from www.hellermannntyton.com (download zone).

Material Data	
Material	Type 740, Super transparent Polyester, white (WH)
Operating Temperature	-40 °C to +150 °C
Curing Temperature	from +5 °C
Adhesive	Acrylic
Thickness of Foil (TF)	35
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.
594-26740	TAG26LA4-740-WHCL	White (WH)	1.5	3.0	12.70	9.50	19.05	180	5000
594-51740	TAG51LA4-740-WHCL	White (WH)	1.6	3.3	25.40	8.80	19.05	84	2500
594-13074	TAG130LA4-740-WHCL	White (WH)	2.4	4.8	12.70	9.00	24.00	165	5000
594-49740	TAG49LA4-740-WHCL	White (WH)	2.6	5.3	25.40	8.80	25.40	70	2500
594-13174	TAG131LA4-740-WHCL	White (WH)	3.8	7.6	12.70	12.70	36.50	105	2500
594-13274	TAG132LA4-740-WHCL	White (WH)	3.8	7.6	20.32	12.70	36.50	63	2500
594-02740	TAG02LA4-740-WHCL	White (WH)	3.8	7.6	25.40	12.70	36.50	49	2450
594-13374	TAG133LA4-740-WHCL	White (WH)	5.1	10.1	19.05	12.70	44.50	60	2500
594-13474	TAG134LA4-740-WHCL	White (WH)	5.1	10.1	25.40	12.70	44.50	42	1000
594-09740	TAG09LA4-740-WHCL	White (WH)	5.8	11.6	25.40	19.05	55.50	35	1000
594-13574	TAG135LA4-740-WHCL	White (WH)	6.7	13.5	48.50	12.70	55.00	20	500
594-13774	TAG137LA4-740-WHCL	White (WH)	7.1	14.3	31.75	22.86	67.70	24	1000
594-13674	TAG136LA4-740-WHCL	White (WH)	7.7	15.5	25.40	19.05	67.70	28	1000
594-01740	TAG01LA4-740-WHCL	White (WH)	10.1	20.2	48.20	19.05	82.50	12	500
594-14574	TAG145LA4-740-WHCL	White (WH)	11.1	22.3	25.40	25.40	95.30	21	1000

All dimensions in mm. Subject to technical changes.

Self-laminating labels (WH/CL), laser - Material 750

Features and Benefits

DIN A4 Laser printable labels ideal for wire and cable marking, and voice/data cabling identification.

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

For longer labels a thicker material (type 750) is needed and this makes the printed label easier to apply to the wire bundle. A second advantage is that the thicker material is easier to remove from the label liner so making it easier to work with securing to larger diameter cables or pipes.

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.

Application

The high quality polyester material makes these labels especially suitable for self-laminating marking of wires and cables. The protective film provides effective protection against abrasion or soiling of the labels. For cable markers with a total length of more than approx. 100mm, we use a slightly thicker material (type 750). This allows the marker to be removed from the sheet more easily by hand and the greater rigidity of the material simplifies attachment onto a large cable or pipe.

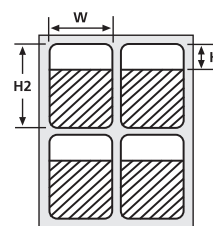
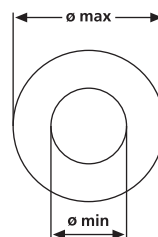
For problem-free printing, we recommend Tagprint PRO software. This contains all the labels listed, which can be called up immediately. There is no need for time-consuming installation. For simple applications we recommend our MS Windows Word printer templates, from www.hellermannntyton.com (download zone).



Laminating the mark gives long-term print survivability.



Laser Printer



Helatag self laminating labels

Material Data	
Material	Type 750, Super transparent Polyester, white (WH)
Operating Temperature	-40 °C to +150 °C
Curing Temperature	from +5 °C
Adhesive	Acrylic
Thickness of Foil (TF)	50.0
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 374.
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.
594-13875	TAG138LA4-750-WHCL	White (WH)	11.8	23.6	38.10	19.05	93.13	15	500
594-14175	TAG141LA4-750-WHCL	White (WH)	16.5	33.1	25.40	38.10	142.00	14	700
594-13975	TAG139LA4-750-WHCL	White (WH)	18.2	36.4	38.10	25.40	139.70	10	500
594-14075	TAG140LA4-750-WHCL	White (WH)	18.2	36.4	48.50	25.40	139.70	8	500

All dimensions in mm. Subject to technical changes.

Self-laminating labels (WH/CL), dot matrix - Material 101

Features and Benefits

Dot matrix printable labels wrap around your wire or cable for fast, easy and durable identification. The protective laminating foil ensures optimal protection against humidity, dirt, debris, and mechanical abrasion. Used in applications where low to medium print volumes are needed and where simple alphanumeric texts are required. The labels have been especially developed to ensure you can print industrial grade labels using standard dot matrix printers. The material is of the highest standard giving you trouble free performance.

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.

Application

Used in applications where low to medium print volumes are needed and where simple alphanumeric texts are required. HellermannTyton self laminating wire markers can be used in industries ranging from automotive for wire and pipe identification to electrical panels.

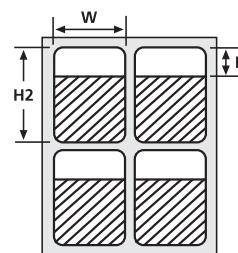
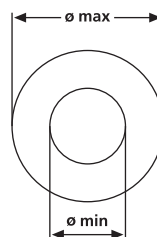
For problem-free printing, we recommend our easy to use Windows based Tagprint PRO software program, which comes pre-loaded with all our standard label templates so you can start producing labels immediately.

The labels are supplied in a protective box that ensures dirt and dust is kept away from your labels so ensuring less waste.



Unique packaging ensures outstanding label protection.

Approvals see
page 439 in
appendix.



Helatag self laminating labels

Material Data	
Material	Type 101, Self laminating Vinyl, white (WH)
Operating Temperature	-40 °C to +80 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic
Thickness of Foil (TF)	75.0



Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Labels per Sheet	Pack Cont.
595-26101	TAG26-101-WHCL	White (WH)	1.5	3.0	12.70	9.52	19.05	192	5000
595-02101	TAG2-101-WHCL	White (WH)	3.8	7.6	12.70	12.70	36.50	128	5000
595-05101	TAG5-101-WHCL	White (WH)	3.8	7.6	20.30	12.70	36.50	48	2500
595-22101	TAG22-101-WHCL	White (WH)	3.8	7.6	25.40	12.70	36.50	64	2500
595-24101	TAG24-101-WHCL	White (WH)	3.8	7.6	50.80	12.70	36.50	32	1000
595-25101	TAG25-101-WHCL	White (WH)	5.1	10.1	19.05	12.70	44.50	54	2500
595-09101	TAG9-101-WHCL	White (WH)	6.1	12.1	25.40	19.05	57.15	32	1000
595-10101	TAG10-101-WHCL	White (WH)	6.1	12.1	50.80	19.05	57.15	20	1000
595-01101	TAG1-101-WHCL	White (WH)	9.9	19.7	48.26	19.05	81.00	12	500
595-03101	TAG3-101-WHCL	White (WH)	11.1	22.2	25.40	25.40	95.25	24	1000
595-06101	TAG6-101-WHCL	White (WH)	11.1	22.2	50.80	25.40	95.25	12	2500
595-08101	TAG8-101-WHCL	White (WH)	17.8	35.6	25.40	38.10	149.80	16	500
595-04101	TAG4-101-WHCL	White (WH)	17.8	35.6	50.80	38.10	149.80	6	250
595-23101	TAG23-101-WHCL	White (WH)	23.7	47.5	25.40	38.10	187.20	7	250
595-07101	TAG7-101-WHCL	White (WH)	24.0	48.0	50.80	38.10	188.90	4	100

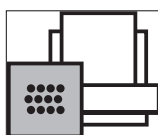
All dimensions in mm. Subject to technical changes.

High temperature cable and wire flagging (WH), dot matrix - Material 301

Features and Benefits

Helatag Plain Dot Matrix labels have been especially developed to enable printing of industrial grade labels using standard dot matrix printers.

The labels are of the highest standards of material quality and production accuracy giving you trouble free performance.



Dot Matrix Printer



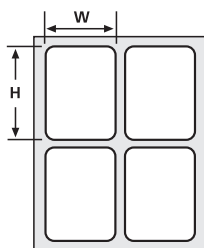
Material conformability allows uses to flag wires where needed.

Software Tagprint PRO
for troublefree printing
see page 374.

Material Data



Material	Type 301, Polyvinylfluoride Tedlar®, white (WH)
Operating Temperature	-40 °C to +130 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic
Thickness of Foil (TF)	25.0
Chem. Material Properties	Excellent resistance to water and outdoor weathering conditions, such as UV light. Good resistance to petroleum based solvents and less resistance to ester and ketone based solvents.



Technical Table

Article-No.	Type	Colour	Width (W)	Height (H)	Labels per Sheet	Pack Cont.
595-16301	TAG16-301-WH	White (WH)	22.86	6.35	288	5000
595-15301	TAG15-301-WH	White (WH)	25.40	12.70	126	5000
595-12301	TAG12-301-WH	White (WH)	31.75	9.52	168	5000
595-32301	TAG32-301-WH	White (WH)	31.75	9.52	120	5000
595-27301	TAG27-301-WH	White (WH)	38.10	19.05	48	2500

All dimensions in mm. Subject to technical changes.

RiteOn - Self Laminating Labels

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.



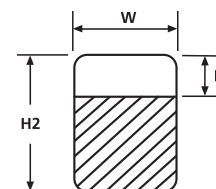
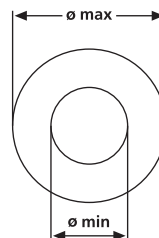
The RiteOn starter pack gets you started right away.

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 T825-BK black indelible ink marker pen

Material Data	
Material	Type 100, Vinyl
Colour	White printable area (WH), Red (RD), Orange (OG), Yellow (YE), Green (GN), Blue (BU)
Operating Temperature	-40 °C to +80 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic



Self laminating label

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								
550-10000	SPRO200-100-WH	White (WH)	6.0	12.1	19.10	12.70	50.80	150
550-11010	RO201-100-WH	White (WH)	4.0	8.1	12.70	12.70	38.10	200
550-12010	RO202-100-WH	White (WH)	6.1	12.1	19.10	12.70	50.80	150
550-13010	RO203-100-WH	White (WH)	9.1	18.2	19.10	25.40	76.20	100

All dimensions in mm. Subject to technical changes.

RiteOn Refill Packs

Marker Pens

Refill packs are available with label areas in 6 different colours that will suit most applications. Refilling is a quick and simple operation.

The range of marker pens are ideally suited for manual inscription onto RiteOn, Helasign, Arrowtags, IMP Plates and identification ties. The ink of these pens dries very quickly and is highly UV resistant. Pens are available in packs of two in either red or black.



Refill packs are available in 3 sizes and 6 colours.

Technical Table

Article-No.	Type	Colour	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Pack Cont.
Refill packs								
550-11009	RO201REF-100-WH	White (WH)	4.0	8.1	12.70	12.70	38.10	200
550-11002	RO201REF-100-RD	Red (RD)	4.0	8.1	12.70	12.70	38.10	200
550-11003	RO201REF-100-OG	Orange (OG)	4.0	8.1	12.70	12.70	38.10	200
550-11004	RO201REF-100-YE	Yellow (YE)	4.0	8.1	12.70	12.70	38.10	200
550-11005	RO201REF-100-GN	Green (GN)	4.0	8.1	12.70	12.70	38.10	200
550-11006	RO201REF-100-BU	Blue (BU)	4.0	8.1	12.70	12.70	38.10	200
550-12009	RO202REF-100-WH	White (WH)	6.1	12.1	19.10	12.70	50.80	150
550-12002	RO202REF-100-RD	Red (RD)	6.1	12.1	19.10	12.70	50.80	150
550-12003	RO202REF-100-OG	Orange (OG)	6.1	12.1	19.10	12.70	50.80	150
550-12004	RO202REF-100-YE	Yellow (YE)	6.1	12.1	19.10	12.70	50.80	150
550-12005	RO202REF-100-GN	Green (GN)	6.1	12.1	19.10	12.70	50.80	150
550-12006	RO202REF-100-BU	Blue (BU)	6.1	12.1	19.10	12.70	50.80	150
550-13009	RO203REF-100-WH	White (WH)	9.1	18.1	19.10	25.40	76.20	100
550-13002	RO203REF-100-RD	Red (RD)	9.1	18.2	19.10	25.40	76.20	100
550-13003	RO203REF-100-OG	Orange (OG)	9.1	18.1	19.10	25.40	76.20	100
550-13004	RO203REF-100-YE	Yellow (YE)	9.1	18.1	19.10	25.40	76.20	100
550-13005	RO203REF-100-GN	Green (GN)	9.1	18.1	19.10	25.40	76.20	100
550-13006	RO203REF-100-BU	Blue (BU)	9.1	18.1	19.10	25.40	76.20	100
Marker pens T82								
500-50820	T82S-BK	Black (BK)	–	–	–	–	–	2
500-50822	T82R-RD	Red (RD)	–	–	–	–	–	2
Empty Dispenser								
590-00010	Empty Dispenser	White (WH)	–	–	–	–	–	1

All dimensions in mm. Subject to technical changes.

HELASIGN Self Laminating Booklet

HELASIGN labels are available in 3 sizes and 6 different colours in a handy pocket sized booklet format which makes them ideal for marking on site. They are ideal for the identification of wires and cables in most electrical, electronic and data networking applications. The protective film prevents direct soiling or mechanical abrasion of the marking. The labels are available in different sizes for cable diameters from 4 to 40mm. The reinforced cover sheet guarantees clean, usable labels right to the last sheet.

An applicator tool is supplied with every HELASIGN booklet for clean application of the labels.



HELASIGN: simple to use with colours to match your applications.

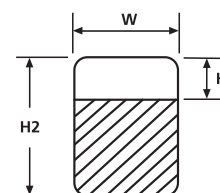
For professional hand inscriptions, we recommend the T82 marker pen, which has fast-drying and UV-resistant ink.

Material Data	
Material	Type 120, Self laminating Vinyl
Colour	White printable area (WH), Red (RD), Orange (OG), Yellow (YE), Green (GN), Blue (BU)
Operating Temperature	-40 °C to +80 °C
Curing Temperature	From +10 °C
Adhesive	Acrylic

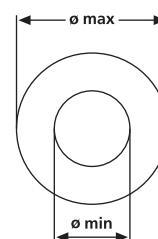
Technical Table

Article-No.	Type	Colour Marking Field	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Pack Cont.
Booklet Helasign with self-laminating labels								
598-94920	HSMB-C1-120	White (WH)	4.0	8.1	12.7	12.7	38.1	240
598-94220	HSMB-C1-120	Red (RD)	4.0	8.1	12.7	12.7	38.1	240
598-94320	HSMB-C1-120	Orange (OG)	4.0	8.1	12.7	12.7	38.1	240
598-94420	HSMB-C1-120	Yellow (YE)	4.0	8.1	12.7	12.7	38.1	240
598-94520	HSMB-C1-120	Green (GN)	4.0	8.1	12.7	12.7	38.1	240
598-94620	HSMB-C1-120	Blue (BU)	4.0	8.1	12.7	12.7	38.1	240
598-95920	HSMB-C2-120	White (WH)	6.1	12.1	19.1	12.7	50.8	120
598-95220	HSMB-C2-120	Red (RD)	6.1	12.1	19.1	12.7	50.8	120
598-95320	HSMB-C2-120	Orange (OG)	6.1	12.1	19.1	12.7	50.8	120
598-95420	HSMB-C2-120	Yellow (YE)	6.1	12.1	19.1	12.7	50.8	120
598-95520	HSMB-C2-120	Green (GN)	6.1	12.1	19.1	12.7	50.8	120
598-95620	HSMB-C2-120	Blue (BU)	6.1	12.1	19.1	12.7	50.8	120
598-96920	HSMB-C3-120	White (WH)	9.1	18.2	25.4	19.1	76.2	60
598-96220	HSMB-C3-120	Red (RD)	9.1	18.2	25.4	19.1	76.2	60
598-96320	HSMB-C3-120	Orange (OG)	9.1	18.2	25.4	19.1	76.2	60
598-96420	HSMB-C3-120	Yellow (YE)	9.1	18.2	25.4	19.1	76.2	60
598-96520	HSMB-C3-120	Green (GN)	9.1	18.2	25.4	19.1	76.2	60
598-96620	HSMB-C3-120	Blue (BU)	9.1	18.2	25.4	19.1	76.2	60
598-40120	HSMB-C4-120	White (WH)	16.2	32.3	25.40	25.40	127.00	30
598-50120	HSMB-C5-120	White (WH)	20.2	40.3	25.40	25.40	152.00	30
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.



Labels with protective lamination



Helagrip

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

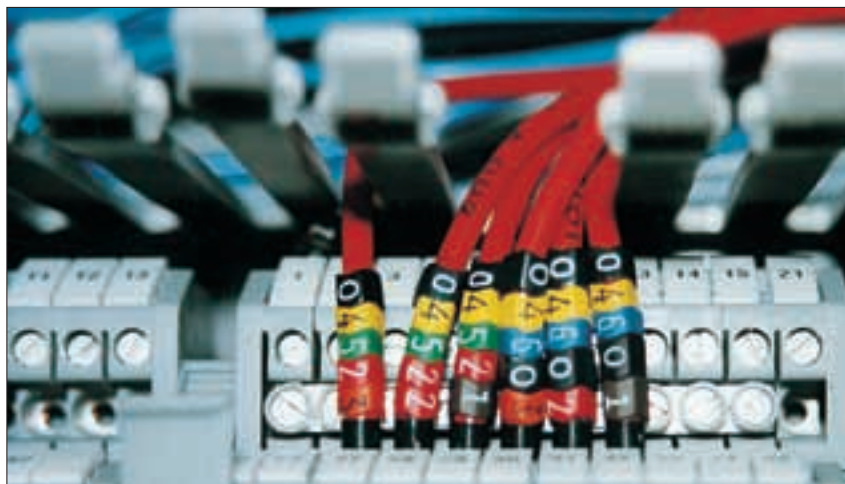
Ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting.

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	Self extinguishing
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	3.0	3.5
HGDC2-5	1000	2.0	5.0	3.5
HGDC4-9	250	4.0	9.0	5.0

All dimensions in mm. Subject to technical changes.

HGDC1-3 colour code



Article-No.	Type
515-01600	HGDC1-3
515-01611	HGDC1-3
515-01622	HGDC1-3
515-01633	HGDC1-3
515-01644	HGDC1-3
515-01655	HGDC1-3
515-01666	HGDC1-3
515-01677	HGDC1-3
515-01688	HGDC1-3
515-01699	HGDC1-3

HGDC2-5 colour code



Article-No.	Type
515-02600	HGDC2-5
515-02611	HGDC2-5
515-02622	HGDC2-5
515-02633	HGDC2-5
515-02644	HGDC2-5
515-02655	HGDC2-5
515-02666	HGDC2-5
515-02677	HGDC2-5
515-02688	HGDC2-5
515-02699	HGDC2-5

HGDC1-3 yellow



Article-No.	Type
515-01014	HGDC1-3
515-01024	HGDC1-3
515-01034	HGDC1-3
515-01044	HGDC1-3
515-01054	HGDC1-3
515-01064	HGDC1-3
515-01074	HGDC1-3
515-01084	HGDC1-3
515-01094	HGDC1-3
515-01104	HGDC1-3
515-01114	HGDC1-3
515-01124	HGDC1-3
515-01134	HGDC1-3
515-01144	HGDC1-3
515-01154	HGDC1-3
515-01164	HGDC1-3
515-01174	HGDC1-3
515-01184	HGDC1-3
515-01194	HGDC1-3
515-01204	HGDC1-3
515-01214	HGDC1-3
515-01224	HGDC1-3
515-01234	HGDC1-3
515-01244	HGDC1-3
515-01254	HGDC1-3
515-01264	HGDC1-3
515-01704	HGDC1-3
515-01714	HGDC1-3
515-01724	HGDC1-3
515-01734	HGDC1-3
515-01804	HGDC1-3
515-01604	HGDC1-3
515-01614	HGDC1-3
515-01624	HGDC1-3
515-01634	HGDC1-3
515-01644	HGDC1-3
515-01654	HGDC1-3
515-01664	HGDC1-3
515-01674	HGDC1-3
515-01684	HGDC1-3
515-01694	HGDC1-3

HGDC2-5 yellow



Article-No.	Type
515-02014	HGDC2-5
515-02024	HGDC2-5
515-02034	HGDC2-5
515-02044	HGDC2-5
515-02054	HGDC2-5
515-02064	HGDC2-5
515-02074	HGDC2-5
515-02084	HGDC2-5
515-02094	HGDC2-5
515-02104	HGDC2-5
515-02114	HGDC2-5
515-02124	HGDC2-5
515-02134	HGDC2-5
515-02144	HGDC2-5
515-02154	HGDC2-5
515-02164	HGDC2-5
515-02174	HGDC2-5
515-02184	HGDC2-5
515-02194	HGDC2-5
515-02204	HGDC2-5
515-02214	HGDC2-5
515-02224	HGDC2-5
515-02234	HGDC2-5
515-02244	HGDC2-5
515-02254	HGDC2-5
515-02264	HGDC2-5
515-02704	HGDC2-5
515-02714	HGDC2-5
515-02724	HGDC2-5
515-02734	HGDC2-5
515-02715	HGDC2-5
515-02604	HGDC2-5
515-02614	HGDC2-5
515-02624	HGDC2-5
515-02634	HGDC2-5
515-02644	HGDC2-5
515-02654	HGDC2-5
515-02664	HGDC2-5
515-02674	HGDC2-5
515-02684	HGDC2-5
515-02694	HGDC2-5



HGDC4-9 colour code

	Article-No.	Type
	515-03600	HGDC4-9
	515-03611	HGDC4-9
	515-03622	HGDC4-9
	515-03633	HGDC4-9
	515-03644	HGDC4-9
	515-03655	HGDC4-9
	515-03666	HGDC4-9
	515-03677	HGDC4-9
	515-03688	HGDC4-9
	515-03699	HGDC4-9



HGDC4-9 yellow

	Article-No.	Type
	515-03014	HGDC4-9
	515-03024	HGDC4-9
	515-03034	HGDC4-9
	515-03044	HGDC4-9
	515-03054	HGDC4-9
	515-03064	HGDC4-9
	515-03074	HGDC4-9
	515-03084	HGDC4-9
	515-03094	HGDC4-9
	515-03104	HGDC4-9
	515-03114	HGDC4-9
	515-03124	HGDC4-9
	515-03134	HGDC4-9
	515-03144	HGDC4-9
	515-03154	HGDC4-9
	515-03164	HGDC4-9
	515-03174	HGDC4-9
	515-03184	HGDC4-9
	515-03194	HGDC4-9
	515-03204	HGDC4-9
	515-03214	HGDC4-9
	515-03224	HGDC4-9
	515-03234	HGDC4-9
	515-03244	HGDC4-9
	515-03254	HGDC4-9
	515-03264	HGDC4-9
	515-03704	HGDC4-9
	515-03714	HGDC4-9
	515-03724	HGDC4-9
	515-01947	HGDC4-9
	515-01946	HGDC4-9
	515-03604	HGDC4-9
	515-03614	HGDC4-9
	515-03624	HGDC4-9
	515-03634	HGDC4-9
	515-03644	HGDC4-9
	515-03654	HGDC4-9
	515-03664	HGDC4-9
	515-03674	HGDC4-9
	515-03684	HGDC4-9
	515-03694	HGDC4-9

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 pre termination or they can be attached as an identification flag post termination using special marker 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 a 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.



A simple idea for complex marking needs.



Technical Table

Type	Quantity per Reel	Outside Ø min.	Outside Ø max.	Length (L)	Recommended Carrier
HODS50*	1000	1.7	3.6	4.0	AT1
HODS85*	1000	1.8	6.3	4.5	AT2/AT3

All dimensions in mm. Subject to technical changes.

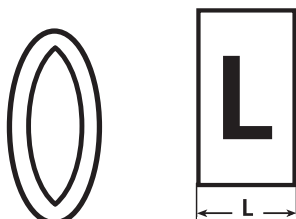
* Marking text 0-9 as international resistor code, as well as A-Z, 0-9 and special characters in yellow.

Technical Table

Article-No.	Type	Quantity per kit	Outside Ø min.	Outside Ø max.	Length (L)	Recommended Carrier
531-00253	HO85 KIT	18x125	1.8	6.3	4.5	AT2/AT3

All dimensions in mm. Subject to technical changes.

For details
on Arrowtags
please see page 331.



Ovalgrip straight cut.

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



HODS50 colour code

	Article-No.	Type
	531-15365	HODS50
	531-15366	HODS50
	531-15367	HODS50
	531-15368	HODS50
	531-15314	HODS50
	531-15370	HODS50
	531-15371	HODS50
	531-15372	HODS50
	531-15373	HODS50
	531-15374	HODS50

HODS50 yellow



	Article-No.	Type
	531-15014	HODS50
	531-15024	HODS50
	531-15034	HODS50
	531-15044	HODS50
	531-15054	HODS50
	531-15064	HODS50
	531-15074	HODS50
	531-15084	HODS50
	531-15094	HODS50
	531-15104	HODS50
	531-15114	HODS50
	531-15124	HODS50
	531-15134	HODS50
	531-15144	HODS50
	531-15154	HODS50
	531-15164	HODS50
	531-15174	HODS50
	531-15184	HODS50
	531-15194	HODS50
	531-15204	HODS50
	531-15214	HODS50
	531-15224	HODS50
	531-15234	HODS50
	531-15244	HODS50
	531-15254	HODS50
	531-15264	HODS50
	531-00451	HODS50
	531-00452	HODS50
	531-00175	HODS50
	531-00176	HODS50
	531-00174	HODS50
	531-15274	HODS50
	531-15284	HODS50
	531-15294	HODS50
	531-15304	HODS50
	531-15314	HODS50
	531-15324	HODS50
	531-15334	HODS50
	531-15344	HODS50
	531-15354	HODS50
	531-15364	HODS50



HODS85 colour code

	Article-No.	Type
	531-07728	HODS85
	531-07729	HODS85
	531-07730	HODS85
	531-07731	HODS85
	531-07732	HODS85
	531-07733	HODS85
	531-07734	HODS85
	531-07735	HODS85
	531-07736	HODS85
	531-07737	HODS85

HODS85 yellow



	Article-No.	Type
	531-07935	HODS85
	531-07936	HODS85
	531-07937	HODS85
	531-07938	HODS85
	531-07939	HODS85
	531-07940	HODS85
	531-07941	HODS85
	531-07942	HODS85
	531-07943	HODS85
	531-07944	HODS85
	531-07945	HODS85
	531-07946	HODS85
	531-07947	HODS85
	531-07948	HODS85
	531-07949	HODS85
	531-07950	HODS85
	531-07951	HODS85
	531-07952	HODS85
	531-07953	HODS85
	531-07954	HODS85
	531-07955	HODS85
	531-07956	HODS85
	531-07957	HODS85
	531-07958	HODS85
	531-07959	HODS85
	531-07960	HODS85
	531-07924	HODS85
	531-07923	HODS85
	531-07961	HODS85
	531-00386	HODS85
	531-00384	HODS85
	531-07925	HODS85
	531-07926	HODS85
	531-07927	HODS85
	531-07928	HODS85
	531-07732	HODS85
	531-07930	HODS85
	531-07931	HODS85
	531-07932	HODS85
	531-07933	HODS85
	531-07934	HODS85

WIC

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 need to remain switched on.

WIC is especially engineered to remain in place even under continuous vibration. The robust locking mechanism ensures that the marker legend is always visible on the cable in areas of vibration or other cable movement.

WIC markers are fitted by simply clicking them on using the WIC tool. The WIC tool can be used for all sizes and takes up to 20 markers.

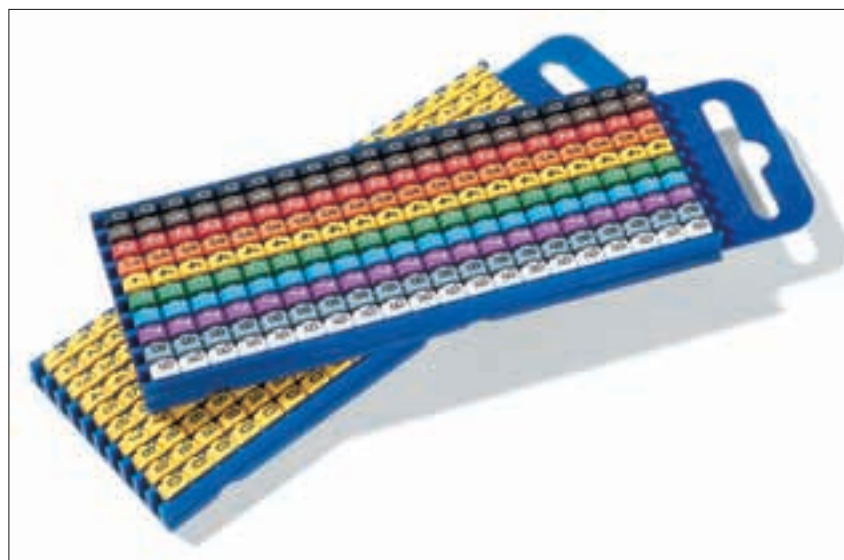
WIC is manufactured from a halogen free material and is ROHS compliant.

Application

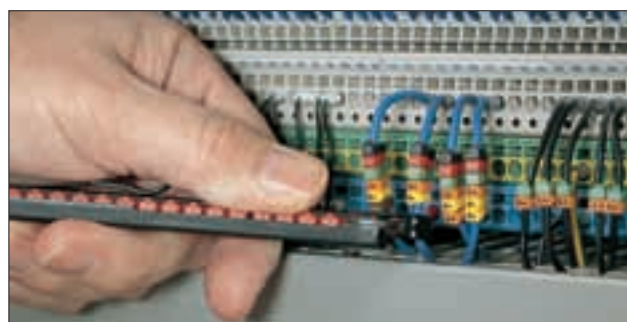
Applying the markers can be done either by hand or with the ergonomically designed WIC Tool.

Simply snap the marker onto the wire, twist and then reapply the next marker.

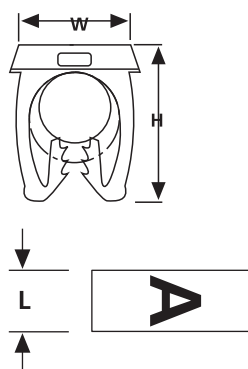
The WIC Tool is unique as it can accommodate all three sizes of WIC.



The convenient WIC dispenser ideal for pocket or toolbox storage.



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



Material Data	
Material	Polyamide 6.6 (PA66)
Colour	International resistor colour code with marking text 0-9. Yellow with marking text A- Z, 0-9 and symbols.
Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
Flammability	UL94 V0
Specification	IEC 304, EN 60062, UL94



Specifications please see table page 439 in Appendix.

WIC Applicator Tool - WICTOOL

Type	Article-No.	Pack Cont.
WIC TOOL	561-00001	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	5.0	6.4	3.0	1000	WICTOOL
WIC2	2.80	3.80	5.6	7.1	3.0	1000	WICTOOL
WIC3	4.30	5.30	8.0	9.6	3.0	500	WICTOOL

All dimensions in mm. Subject to technical changes.

WIC1 - colour code

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

WIC1 - yellow material

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

WIC2 - colour code

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

WIC2 - yellow material

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

WIC3 - yellow material

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

WIC3 - colour code

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

Embossed Polychloroprene 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

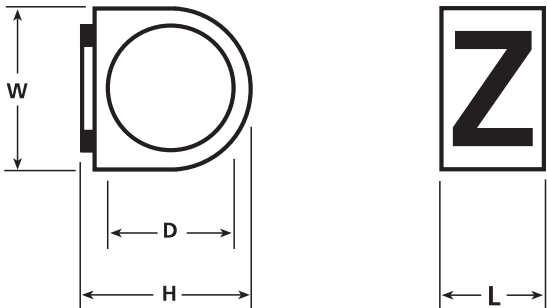
Application

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.

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



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

Technical Table					
Type	Ø D max.	Ø D	Width (W)	Height (H)	Length (L)
ABR.1	3.5	1.75	4.0	4.5	3.0
ABR.2	6.0	3.0	5.0	5.5	4.0
ABR.3	9.0	5.0	8.0	8.5	5.0
ABR.4	13.0	7.5	10.0	10.5	6.0
ABR.5	17.0	10.0	13.0	13.5	8.0

All dimensions in mm. Subject to technical changes.

For more detailed information please refer to chapter application tools on page 417.

Abr.1 semi severed

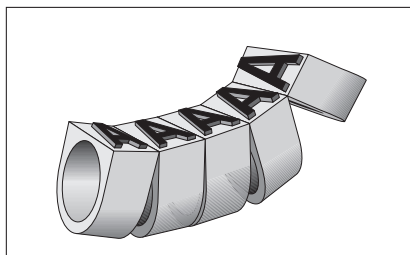
	Article-No.	Type
A	501-01014	ABR.1-A
B	501-01024	ABR.1-B
C	501-01034	ABR.1-C
D	501-01044	ABR.1-D
E	501-01054	ABR.1-E
F	501-01064	ABR.1-F
G	501-01074	ABR.1-G
H	501-01084	ABR.1-H
I	501-01094	ABR.1-I
J	501-01104	ABR.1-J
K	501-01114	ABR.1-K
L	501-01124	ABR.1-L
M	501-01134	ABR.1-M
N	501-01144	ABR.1-N
O	501-01154	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



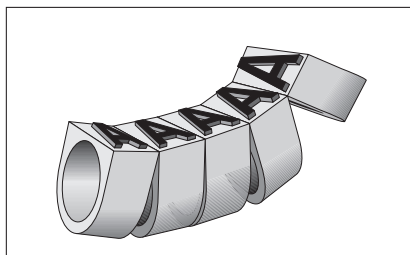
Special characters
available on request.

Abr.4 semi severed

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

Abr.5 semi severed

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



Special characters
available on request.

Arrowtags and Marker Plates

Features and Benefits

The arrows, plates and tags are suitable for rapid marking. They can be used regardless of the circumference of the bundle, since they can be fixed using cable ties of any length (width up to 7.4mm).

The marking plates and arrows can be fitted with Ovalgrip cable markers.



A clearly better way of identifying cables and pipes.



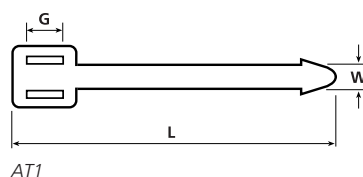
Marker pens T82S-BK and T82R-RD.

The tags can either be written manually using T82 marker pens or fitted with the appropriate labels. They can also be direct-printed using the hot stamping process. Just ask us.

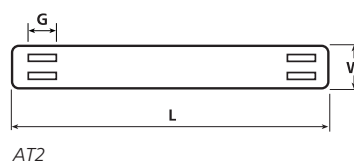
AT1 will fit 7 size 50 Ovalgrip markers.

AT2 will fit 8 size 85 Ovalgrip markers.

AT3 will fit 14 size 85 Ovalgrip markers.



AT1



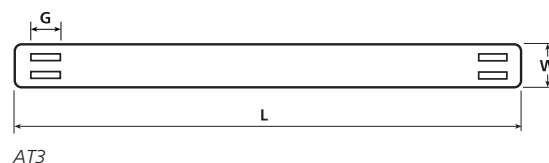
AT2

Application

Used with Ovalgrip markers for identifying larger pipes and cables.

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
		



AT3

Specifications see page 439 in appendix.

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	4.7	7.4	50	7	100
151-41110	AT1	Black (BK)	62.5	4.7	7.4	50	7	100
151-41219	AT2	Natural (NA)	63.0	9.0	6.4	85	8	100
151-41210	AT2	Black (BK)	63.0	9.0	6.4	85	8	100
151-41319	AT3	Natural (NA)	100.0	9.0	6.4	85	14	100
151-41310	AT3	Black (BK)	100.0	9.0	6.4	85	14	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.

IT and IMP Plates

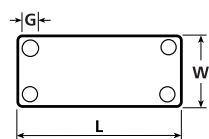
Features and Benefits

Where maintenance and repair work is needed, the use of 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



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	4.8	100	TAG28-16TD1
151-42159	IMP1.5	Natural (NA)	38.1	19.10	4.8	100	TAG18-16TD1
151-42229	IMP210	Natural (NA)	19.01	50.8	4.8	100	TAG43-16TD1
151-42259	IMP2.5	Natural (NA)	19.01	63.5	4.8	100	TAG43-16TD1
151-42269	IMP2.5	Natural (NA)	44.45	63.5	4.8	100	TAG43-16TD1
151-42359	IMP3.5	Natural (NA)	19.01	88.90	4.8	100	TAG68-16TD1
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.



Please Note for Product Specific Approvals please refer to appendix.

IT Cable Tie with identification plate

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.

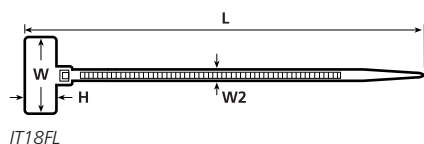
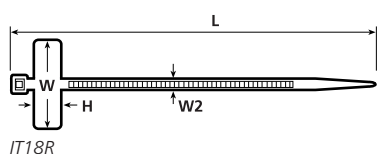
They can be marked manually using the T82S series of indelible marker pens. In addition there is a large selection of labels available for marking.

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 see
page 433 Appendix.**

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.
111-00373	IT18R	Natural (NA)	6.0	22.0	25.0	8.0	100.0	2.3	80	100
111-81821	IT18R	Natural (NA)	6.0	22.0	25.0	8.0	100.0	2.3	80	100
111-00115	IT18R	Natural (NA)	6.0	22.0	25.0	8.0	100.0	2.3	80	100
111-81919	IT18FL	Natural (NA)	1.5	19.0	20.5	9.0	110	2.5	80	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.

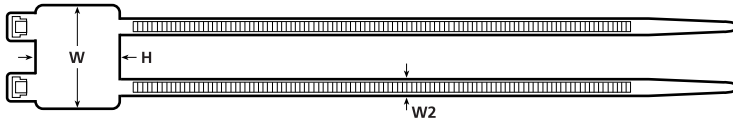


Please Note for Product Specific Approvals please refer to appendix.

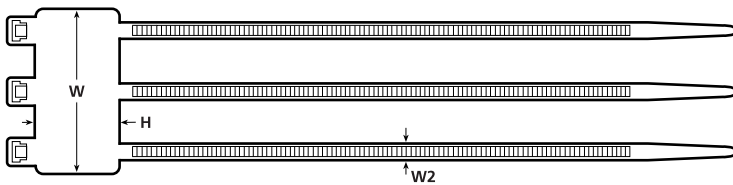
IT Cable Tie with identification plate



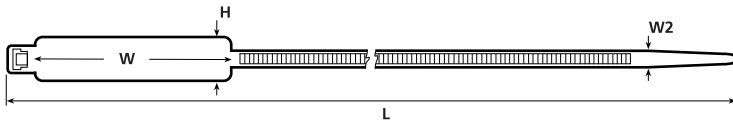
IT50R



IT50RD



IT50RT



IT50L

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.
111-00125	IT50R	Natural (NA)	9.5	44.5	28.0	12.9	203.0	4.6	225	100
111-85000	IT50R	Natural (NA)	9.5	44.5	28.0	12.9	203.0	4.6	225	100
111-85019	IT50R	Natural (NA)	9.5	44.5	28.0	12.9	203	4.6	225	100
111-85219	IT50RD	Natural (NA)	10.0	44.0	29.0	26.3	205	4.7	225	50
111-85200	IT50RD	Natural (NA)	10.0	44.0	29.0	26.3	205.0	4.7	225	100
111-85319	IT50L	Natural (NA)	10.0	100	12.8	56.0	390	4.7	225	100
111-85119	IT50RT	Natural (NA)	10.0	44.0	46.0	26.3	205	4.7	225	50
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.



Marker pens T82S-BK and T82R-RD.



Please Note for Product Specific Approvals please refer to appendix.

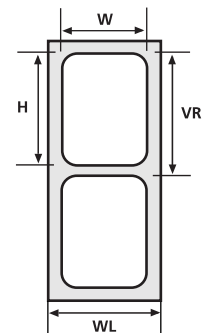
Adhesive labels for identification ties and tag labels, thermal transfer - Materials 861 and 893

Features and Benefits

These labels are specially tailored to the sizes used in the IT marking tie and AT/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. These labels can also be used for durable marking of parts and devices with all kinds of different backgrounds.



Identification ties and tags.



Helatag plain labels



Thermal Transfer Printer

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 893								
596-00057	TAG18-07TD1-893-WH	White (WH)	18.00	7.00	24.0	IT18FL	1	5000
596-00059	TAG18-16TD1-893-WH	White (WH)	18.00	16.00	24.0	IMP1.5	1	2500
596-00061	TAG23-06TD1-893-WH	White (WH)	23.00	6.00	30.0	IT18R	1	5000
596-00063	TAG23-10TD1-893-WH	White (WH)	23.00	10.00	30.0	IT50R	1	5000
596-00065	TAG26-21TD1-893-WH	White (WH)	26.00	21.00	32.0	IT50RD	1	2500
596-00067	TAG28-16TD1-893-WH	White (WH)	28.00	16.00	34.0	IT1, IMP2	1	2500
596-00069	TAG43-16TD1-893-WH	White (WH)	43.00	16.00	50.0	IMP2.5	1	2500
596-00071	TAG43-21TD1-893-WH	White (WH)	43.00	21.00	50.0	IT50RT	1	2500
596-00073	TAG43-41TD1-893-WH	White (WH)	43.00	41.00	50.0	IMP2.5W1.75	1	1000
596-00075	TAG52-10TD1-893-WH	White (WH)	52.00	10.00	58.0	IT50L	1	5000
596-00077	TAG68-16TD1-893-WH	White (WH)	68.00	16.00	74.0	IMP3.5	1	2500

All dimensions in mm. Subject to technical changes.

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 861								
596-00056	TAG18-07TD1-861-YE	Yellow gloss (YE)	18.00	7.00	24.0	IT18FL	1	5000
596-00058	TAG18-16TD1-861-YE	Yellow gloss (YE)	18.00	16.00	24.0	IMP1.5	1	2500
596-00060	TAG23-06TD1-861-YE	Yellow gloss (YE)	23.00	6.00	30.0	IT18R	1	5000
596-00062	TAG23-10TD1-861-YE	Yellow gloss (YE)	23.00	10.00	30.0	IT50R	1	5000
596-00064	TAG26-21TD1-861-YE	Yellow gloss (YE)	26.00	21.00	32.0	IT50RD	1	2500
596-00066	TAG28-16TD1-861-YE	Yellow gloss (YE)	28.00	16.00	34.0	IT1, IMP2	1	2500
596-00068	TAG43-16TD1-861-YE	Yellow gloss (YE)	43.00	16.00	50.0	IMP2.5	1	2500
596-00070	TAG43-21TD1-861-YE	Yellow gloss (YE)	43.00	21.00	50.0	IT50RT	1	2500
596-00072	TAG43-41TD1-861-YE	Yellow gloss (YE)	43.00	41.00	50.0	IMP2.5W1.75	1	1000
596-00074	TAG52-10TD1-861-YE	Yellow gloss (YE)	52.00	10.00	58.0	IT50L	1	5000
596-00076	TAG68-16TD1-861-YE	Yellow gloss (YE)	68.00	16.00	74.0	IMP3.5	1	2500

All dimensions in mm. Subject to technical changes.

HFX Helafix labels

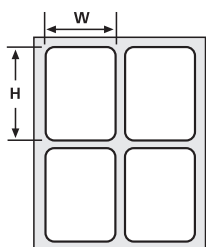
Features and Benefits

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.



Material Data	
Material	Polyester
Chem. Material Properties	Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and butyl-cellosolve solvent, battery acid. UV light resistant and suitable for outdoor usage when marked with marking pen T82S or printed with laser printer.
Colour	Yellow (YE), White (WH)
Operating Temperature	-70 °C to +160 °C



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)	17.5	9.0	319	20	6380
526-01514	HFX9-35P	Yellow (YE), White (WH)	35.0	9.0	145	20	2900
526-01714	HFX12-35P	Yellow (YE), White (WH)	35.0	12.0	110	20	2200
526-02014	HFX9-52P	Yellow (YE), White (WH)	52.5	9.0	124	20	2480
526-02214	HFX12-52P	Yellow (YE), White (WH)	52.5	12.0	92	20	1840
526-02514	HFX12-105P	Yellow (YE), White (WH)	105.0	12.0	44	20	880
526-03014	HFX24-105P	Yellow (YE), White (WH)	105.0	24.0	22	20	440
526-04014	HFX48-105P	Yellow (YE), White (WH)	105.0	48.0	10	20	200
526-05014	HFX12-210P	Yellow (YE), White (WH)	210.0	12.0	22	20	440
526-05514	HFX24-210P	Yellow (YE), White (WH)	210.0	24.0	11	20	220
526-06014	HFX48-210P	Yellow (YE), White (WH)	210.0	48.0	5	20	100

All dimensions in mm. Subject to technical changes.

For problem free printing, we recommend our software Tagprint PRO (page 374), for simple applications use the MS-Windows Word templates on www.HellermannTyton.com (downloadzone).

Helafix Carriers HC and HCR

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.



Multi-purpose identification potential: Helafix HC and HCR.

Application

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

We recommend as suitable labels Helafix HFX, see page 336.

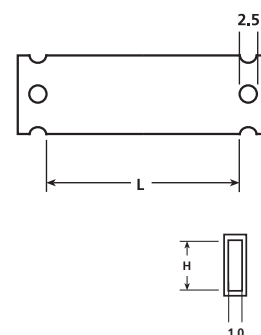
Material Data	
Material	Polyethylene, UV Resistant (PEUV)
Colour	Transparent (CL)
Chem. Material Properties	Excellent resistance to UV light, oils, water and a variety of solvents.
Operating Temperature	-60 °C to +65 °C
Flammability	UL94 HB



Technical Table

Article-No.	Type	Length (L)	Height (H)	Recommended Labels	Quantity	Reel Length	Application Tool
Helafix HC							
525-07173	HC06-17	17.5	7.0	-	50	-	-
525-07353	HC06-35	35.0	7.0	-	50	-	-
525-10173	HC09-17	17.5	10.0	HFX9-17P	50	-	-
525-10353	HC09-35	35.0	10.0	HFX9-35P	50	-	-
525-10523	HC09-52	52.0	10.0	HFX9-52P	50	-	-
525-13173	HC12-17	17.5	13.0	-	50	-	-
525-13353	HC12-35	35.0	13.0	HFX12-35P	50	-	-
525-13523	HC12-52	52.0	13.0	HFX12-52P	50	-	-
525-13703	HC12-70	70.0	13.0	-	50	-	-
525-19353	HC 18-35	35.0	19.0	-	50	-	-
525-19523	HC 18-52	52.0	19.0	-	50	-	-
525-19703	HC 18-70	70.0	19.0	-	50	-	-
525-25523	HC 24-52	52.0	25.0	-	50	-	-
525-25703	HC 24-70	70.0	25.0	-	50	-	-
Helafix HCR							
525-07003	HCR 06	-	7.0	-	-	25 m	-
525-10003	HCR 09	-	10.0	HFX9	-	25 m	HCT1
525-13003	HCR 12	-	13.0	HFX12	-	25 m	HCT2
525-19003	HCR 18	-	19.0	-	-	25 m	-
525-25003	HCR 24	-	25.0	-	-	25 m	-

All dimensions in mm. Subject to technical changes.



Helafix HCT tool and Accessories

HCT1 and HCT2 tools are ideal for cleanly cutting Helafix HCR carrier strips as well as punching out the securing holes.

The punching device is designed for HCR09 and HCR12 types of character carriers. For Helafix HCR06, HCR18 and HCR24 character carrier types, individual holes can be punched with both tools.

Both tools punch holes with a diameter of 2.5mm. To fix the carrier holders simply use the T18 range of cable ties, fixings or rivets.



Any length can be used...



...just cut to suit.

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

Technical Table					
Article-No.	Type	Height (H)	Recommended Labels	Reel Length	Application Tool
Helafix HCR					
525-07003	HCR06	7.0	–	25 m	–
525-10003	HCR09	10.0	HFX9	25 m	HCT1
525-13003	HCR12	13.0	HFX12	25 m	HCT2
525-19003	HCR18	19.0	–	25 m	–
525-25003	HCR24	25.0	–	25 m	–

All dimensions in mm. Subject to technical changes.

Technical Table				
Article-No.	Type	For Carrier Width	For Size	Ø D
525-00010	HCT1	10.0	HCR09	2.5
525-00013	HCT2	13.0	HCR12	2.5

All dimensions in mm. Subject to technical changes.