



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





### Heat Shrinkable Tubing 2:1 flexible and coloured

#### TF21

Due to its versatility TF21 is suitable for a wide range of applications like electrical insulations, mechanical protection and marking.

#### Features and Benefits

- Thin walled, flexible polyolefin tubing
- Fast shrinking and low shrink temperature
- Meets and exceeds lots of industrial standards
- Big variety of different colours and sizes
- Printable
- Flame retarded and UL224 VW1 listed



TF21 – available in a wide range of colours and sizes.



**Detailed Information about Heatguns please refer to page 529.**



**Cut lengths available on request. Please contact us!**



One Step to the Web!

<b>MATERIAL</b>	Polyolefin, cross-linked (PO-X)
<b>Shrink Ratio</b>	2:1
<b>Operating Temperature</b>	-55 °C to +135 °C
<b>Minimum Shrink Temperature</b>	+90 °C
<b>Longitudinal change after shrinkage</b>	+/-5 %
<b>Dielectric Strength</b>	37 kV/mm
<b>Flammability</b>	ASTM D876
<b>Specifications</b>	CSA, JAR/FAR 25.853, NF F 00-608, SAE - AMS - DTL-23053/5 Class 1, UL224 125 °C 600V VW-1



Heat Shrinkable Tubing 2:1



TYPE	Supplied Ø D min.	Size (imperial)	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Article-No.
TF21-1.2/0.6	1.2	3/64 "	0.6	0.41	100 m	Blue (BU)	309-20126
	1.2	3/64 "	0.6	0.41	100 m	Red (RD)	309-20122
	1.2	3/64 "	0.6	0.41	100 m	White (WH)	309-20129
	1.2	3/64 "	0.6	0.41	100 m	Yellow (YE)	309-20124
	1.2	3/64 "	0.6	0.41	300 m	Black (BK)	309-10120
TF21-1.6/0.8	1.6	1/16 "	0.8	0.43	100 m	Blue (BU)	309-20166
	1.6	1/16 "	0.8	0.43	100 m	Red (RD)	309-20162
	1.6	1/16 "	0.8	0.43	100 m	White (WH)	309-20169
	1.6	1/16 "	0.8	0.43	100 m	Yellow (YE)	309-20164
	1.6	1/16 "	0.8	0.43	300 m	Black (BK)	309-10160
TF21-2.4/1.2	2.4	3/32 "	1.2	0.51	100 m	Blue (BU)	309-20246
	2.4	3/32 "	1.2	0.51	100 m	Green-Yellow (GNYE)	309-40247
	2.4	3/32 "	1.2	0.51	100 m	Red (RD)	309-20242
	2.4	3/32 "	1.2	0.51	100 m	White (WH)	309-20249
	2.4	3/32 "	1.2	0.51	100 m	Yellow (YE)	309-20244
	2.4	3/32 "	1.2	0.51	300 m	Black (BK)	309-10240

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



### Heat Shrinkable Tubing 2:1 flexible and coloured

#### TF21

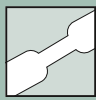


TYPE	Supplied Ø D min.	Size (imperial)	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Article-No.
TF21-3.2/1.6	3.2	1/8 "	1.6	0.51	100 m	Blue (BU)	309-20326
	3.2	1/8 "	1.6	0.51	100 m	Green-Yellow (GNYE)	309-40327
	3.2	1/8 "	1.6	0.51	100 m	Red (RD)	309-20322
	3.2	1/8 "	1.6	0.51	100 m	White (WH)	309-20329
	3.2	1/8 "	1.6	0.51	100 m	Yellow (YE)	309-20324
	3.2	1/8 "	1.6	0.51	300 m	Black (BK)	309-10320
TF21-4.8/2.4	4.8	3/16 "	2.4	0.51	60 m	Blue (BU)	309-50486
	4.8	3/16 "	2.4	0.51	60 m	Green-Yellow (GNYE)	309-50487
	4.8	3/16 "	2.4	0.51	60 m	Red (RD)	309-50482
	4.8	3/16 "	2.4	0.51	60 m	White (WH)	309-50489
	4.8	3/16 "	2.4	0.51	60 m	Yellow (YE)	309-50484
	4.8	3/16 "	2.4	0.51	300 m	Black (BK)	309-10480
TF21-6.4/3.2	6.4	1/4 "	3.2	0.64	60 m	Blue (BU)	309-50646
	6.4	1/4 "	3.2	0.64	60 m	Green-Yellow (GNYE)	309-50647
	6.4	1/4 "	3.2	0.64	60 m	Red (RD)	309-50642
	6.4	1/4 "	3.2	0.64	60 m	White (WH)	309-50649
	6.4	1/4 "	3.2	0.64	60 m	Yellow (YE)	309-50644
	6.4	1/4 "	3.2	0.64	300 m	Black (BK)	309-10640
TF21-9.5/4.8	9.5	3/8 "	4.8	0.64	50 m	Blue (BU)	309-20956
	9.5	3/8 "	4.8	0.64	50 m	Green-Yellow (GNYE)	309-50957
	9.5	3/8 "	4.8	0.64	50 m	Red (RD)	309-20952
	9.5	3/8 "	4.8	0.64	50 m	White (WH)	309-20959
	9.5	3/8 "	4.8	0.64	50 m	Yellow (YE)	309-20954
	9.5	3/8 "	4.8	0.64	150 m	Black (BK)	309-10950
TF21-12.7/6.4	12.7	1/2 "	6.4	0.64	50 m	Blue (BU)	309-21276
	12.7	1/2 "	6.4	0.64	50 m	Green-Yellow (GNYE)	309-41277
	12.7	1/2 "	6.4	0.64	50 m	Red (RD)	309-21272
	12.7	1/2 "	6.4	0.64	50 m	White (WH)	309-21279
	12.7	1/2 "	6.4	0.64	50 m	Yellow (YE)	309-21274
	12.7	1/2 "	6.4	0.64	100 m	Black (BK)	309-11270
TF21-19.0/9.5	19.1	3/4 "	9.5	0.76	50 m	Black (BK)	309-11900
	19.1	3/4 "	9.5	0.76	50 m	Blue (BU)	309-11906
	19.1	3/4 "	9.5	0.76	50 m	Green-Yellow (GNYE)	309-11907
	19.1	3/4 "	9.5	0.76	50 m	Red (RD)	309-11902
	19.1	3/4 "	9.5	0.76	50 m	White (WH)	309-11909
	19.1	3/4 "	9.5	0.76	50 m	Yellow (YE)	309-11904

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



## Heat Shrinkable Tubing 2:1 flexible and coloured

TF21



Heat Shrinkable Tubing 2:1

TYPE	Supplied Ø D min.	Size (imperial)	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Article-No.
TF21-25.4/12.7	25.4	1 "	12.7	0.89	50 m	Black (BK)	309-12540
	25.4	1 "	12.7	0.89	50 m	Blue (BU)	309-12546
	25.4	1 "	12.7	0.89	50 m	Green-Yellow (GNYE)	309-12547
	25.4	1 "	12.7	0.89	50 m	Red (RD)	309-12542
	25.4	1 "	12.7	0.89	50 m	White (WH)	309-12549
	25.4	1 "	12.7	0.89	50 m	Yellow (YE)	309-12544
TF21-38.0/19.0	38.1	1-1/2 "	19.1	1.02	60 m	Black (BK)	309-13810
	38.1	1-1/2 "	19.1	1.02	60 m	Blue (BU)	309-13816
	38.1	1-1/2 "	19.1	1.02	60 m	Green-Yellow (GNYE)	309-13817
	38.1	1-1/2 "	19.1	1.02	60 m	Red (RD)	309-13812
	38.1	1-1/2 "	19.1	1.02	60 m	White (WH)	309-13819
	38.1	1-1/2 "	19.1	1.02	60 m	Yellow (YE)	309-13814
TF21-50.8/25.4	50.8	2 "	25.4	1.14	60 m	Black (BK)	309-15080
	50.8	2 "	25.4	1.14	60 m	Blue (BU)	309-15086
	50.8	2 "	25.4	1.14	60 m	Green-Yellow (GNYE)	309-15087
	50.8	2 "	25.4	1.14	60 m	Red (RD)	309-15082
	50.8	2 "	25.4	1.14	60 m	White (WH)	309-15089
	50.8	2 "	25.4	1.14	60 m	Yellow (YE)	309-15084
TF21-76.0/38.0	76.2	3 "	38.1	1.27	30 m	Black (BK)	309-17600
	76.2	3 "	38.1	1.27	30 m	Blue (BU)	309-17606
	76.2	3 "	38.1	1.27	30 m	Red (RD)	309-17602
	76.2	3 "	38.1	1.27	30 m	White (WH)	309-17609
	76.2	3 "	38.1	1.27	30 m	Yellow (YE)	309-17604
TF21-101.6/50.8	101.6	4 "	50.8	1.40	15 m	Black (BK)	309-11020
	101.6	4 "	50.8	1.40	15 m	Blue (BU)	309-11026
	101.6	4 "	50.8	1.40	15 m	Red (RD)	309-11022
	101.6	4 "	50.8	1.40	15 m	White (WH)	309-11029
	101.6	4 "	50.8	1.40	15 m	Yellow (YE)	309-11024

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



**Detailed Information about  
Heatguns please refer to page 529.**



For product specific approvals and specifications please refer to the Appendix.