

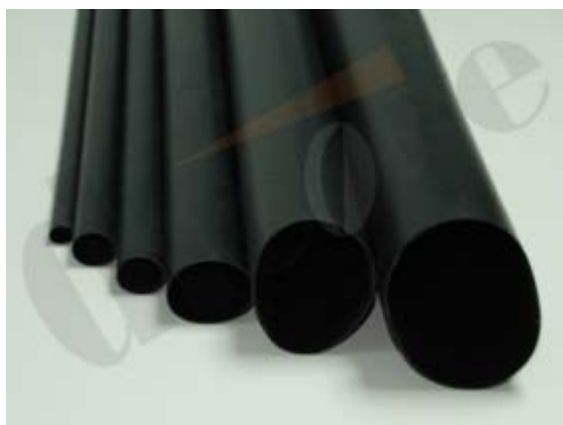
## Dicore's Heat Shrink Tubing Catalog

Last updated: 2014-11-21

Dicore, a Professional and reliable Supplier of Various Clear Heat Shrink Tubing and Heat Shrink Tubes, High quality and Competitive Price from China.

### General Heat Shrink Tubes

#### 01. Medium Wall Heat Shrink Tubing



**Model: MHST**

#### **Description**

Medium wall heat shrinkable tubing (MHST-A) is a tubing with hot melt adhesive, having properties of excellent insulating, environmental sealing, and resistant to impact and abrasion. It is designed for applications to seal and protect electrical splices, cable terminations and joints where electrical insulation and water proof are required. 3:1 shrink ratio allows it easily fit over irregular shape and large connectors.

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Features

- >Resistant to UV-radiation
- >High electrical insulation
- >Superior mechanical property
- >Minimum fully recovery temperature: 120°C
- >Standard color: Black

### Technical Data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +110°C
Tensile strength	ASTM D 2671	≥14Mpa≥
Tensile strength after aging (150°C /168hrs.)	ASTM D 2671	≥12MPa
Elongation at break	ASTM D 2671	≥400%
Elongation at break after aging (150°C /168hrs.)	ASTM D 2671	≥300%
Density	ASTM D 792	1.05g/cm <sup>3</sup>
Longitudinal shrinkage	UL 224	0 to -10%
Dielectric strength	IEC 243	≥20kV/mm

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Volume resistance	IEC 93	$>10^{14}\Omega\cdot\text{cm}$
Eccentricity	ASTM D 2671	<30%
Copper stability	ASTM D 2671	Pass
Resistance to stress cracking (50°C)	ASTM D 1693	No cracking
Water absorption (23°C/14days)	ISO 62	<0.15%

Property	Test Method	Typical Data
Water absorption	ISO 62	<0.2%
Softening point	ASTM D E28	85°C
Peel strength (PE)	DIN 30672	4N/cm
Copper stability	ASTM D 2671	Non-corrosive
Resistance to fungus and decay	ISO 846	Pass

### Specification

Normal size (mm)	As supplied(mm)		After recovered (mm)		Tube shape	Standard length
	Inside diameter (Min.)		Inside Diameter (Max.)	Wall thickness (Min.)		

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

MHST-A 8/2	8	2	1.7	O	1000-1500mm
MHST-A 12/3	12	3	2.0	O	1000-1500mm
MHST-A 16/5	16	5	2.2	O	1000-1500mm
MHST-A 19/5	19	5	2.5	O	1000-1500mm
MHST-A 22/6	22	6	2.5	O	1000-1500mm
MHST-A 28/6	28	6	2.5	O	1000-1500mm
MHST-A 33/8	33	8	2.5	O	1000-1500mm
MHST-A 40/12	40	12	2.5	O	1000-1500mm
MHST-A 55/16	55	16	2.7	O	1000-1500mm
MHST-A 65/19	65	19	2.8	O	1000-1500mm
MHST-A 75/22	75	22	3.0	O	1000-1500mm
MHST-A 85/25	85	25	3.0	O	1000-1500mm
MHST-A 95/25	95	25	3.0	O	1000-1500mm

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

MHST-A 115/34	115	34	3.0	O	1000-1500mm
MHST-A 140/42	140	42	3.0	O	1000-1500mm
MHST-A 160/50	160	50	3.0	O	1000-1500mm
MHST-A 180/58	180	58	3.0	O	1000-1500mm
MHST-A 205/65	205	65	3.0	O	1000-1500mm
MHST-A 235/65	235	65	3.0	O	1000-1500mm
MHST-A 265/75	265	75	3.0	O	1000-1500mm
MHST-A 300/85	300	85	3.0	O	1000-1500mm
MHST-A 350/100	350	100	3.0	O	1000-1220mm

### Remarks:

1. MHST-A is with Hot Melting Adhesive, Without Adhesive product(MHST) is available upon request.
2. Cutting pieces are available on request.
3. Tube shape: "O" : Round or Oval, "—" : Flat

 [Inquiry of Medium Wall Heat Shrink](#)

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Tubing

Tubing

## 02. Halogen Free Heat Shrink Tubing



**Model: HHST**

### **Description:**

Halogen Free Heat Shrink Tubing is made of Polyolefin, Thin Wall, with 2:1/3:1 Shrinking Ratio, It is VW-1 Flame-retardant, and RoHS Compliant, Sizes are from 0.6mm to 180mm wide range

Polyolefin Material, 125°C, UL/CSA VW-1, 2:1 or 3:1 shrink ratio, flexible, fast shrinking, flame-retardant, RoHS compliant, all kind of color, sizes from 0.8mm-120mm.

### **TEST**

UL 224VW-1C-UL CSA C 22.2 OFT RoHS Compliant

### **STANDARD :**

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Black, Red, Blue, White, Yellow, Green, Clear, Yellow-Green, etc. (Other

**COLORS :**

colors are available on request.)

**Shrinking Ratio :** 2:1, 3:1

**Rated voltage:** 600V

**PROPERTY**

Item	Value
Shrinking temperature	Start at 70°C
Operating temperature	-55°C~125°C
Radial shrinking ratio	≥50%
Longitudinal shrinkage	≤5%
Tensile strength	≥14Mpa
Volume resistance	> 10 <sup>14</sup> Ω/cm
Dielectric strength	≥15 KV/mm
Flammability	UL224, VW-1

**HHST-2X**

Size (mm)	As Supplied(mm)		After Recovery(mm)		Standard Package (m/spool)	The Range Of Diameter (mm)
	I.D.	Normal W.T.	Max.I.D.	Normal W.T.		

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ0.6	0.9±0.2	0.20±0.05	≤0.40	0.33±0.10	200	0.5 ~ 0.7
φ0.8	1.1±0.2	0.20±0.05	≤0.50	0.33±0.10	200	0.6 ~ 0.8
φ1.0	1.5±0.2	0.20±0.05	≤0.65	0.36±0.10	200	0.75 ~ 0.9
φ1.5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200	0.95 ~ 1.4
φ2.0	2.5±0.2	0.25±0.05	≤1.00	0.45±0.10	200	1.1 ~ 1.8
φ2.5	3.0±0.2	0.25±0.05	≤1.30	0.45±0.10	200	1.4 ~ 2.3
φ3.0	3.5±0.2	0.25±0.05	≤1.50	0.45±0.10	200	1.6 ~ 2.7
φ3.5	4.0±0.2	0.25±0.05	≤1.80	0.45±0.10	200	1.9 ~ 3.2
φ4.0	4.5±0.2	0.25±0.05	≤2.00	0.45±0.10	200	2.1 ~ 3.6
φ4.5	5.0±0.2	0.30±0.08	≤2.30	0.56±0.10	100	2.4 ~ 4.0
φ5.0	5.5±0.2	0.30±0.08	≤2.50	0.56±0.10	100	2.6 ~ 4.5
φ5.5	6.0±0.2	0.30±0.08	≤2.75	0.56±0.10	100	2.85 ~ 5.0
φ6.0	6.5±0.2	0.30±0.08	≤3.00	0.56±0.10	100	3.1 ~ 5.4



## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ7.0	7.5±0.3	0.30±0.08	≤3.50	0.56±0.10	100	3.7 ~ 6.3
φ8.0	8.5±0.3	0.30±0.08	≤4.00	0.56±0.10	100	4.2 ~ 7.2
φ9.0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100	4.7 ~ 8.0
φ10	10.5±0.3	0.30±0.08	≤5.00	0.56±0.10	100	5.2 ~ 9.0
φ11	11.5±0.3	0.30±0.08	≤5.50	0.56±0.10	100	5.7 ~ 10
φ12	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100	6.2 ~ 11
φ13	13.5±0.3	0.35±0.10	≤6.50	0.69±0.10	100	6.7 ~ 12
φ14	14.5±0.3	0.35±0.10	≤7.00	0.69±0.10	100	7.3 ~ 13
φ15	15.5±0.4	0.35±0.10	≤7.50	0.69±0.10	100	7.8 ~ 14
φ16	16.5±0.4	0.35±0.10	≤8.00	0.69±0.10	100	8.3 ~ 15
φ17	17.5±0.4	0.35±0.10	≤8.50	0.69±0.10	100	8.8 ~ 16
φ18	19.0±0.5	0.35±0.10	≤9.00	0.69±0.10	100	9.3 ~ 17
φ20	22.0±0.5	0.40±0.12	≤10.0	0.83±0.15	100	10.4 ~ 19

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ22	24.0±0.5	0.40±0.12	≤11.0	0.83±0.15	100	11.4 ~ 21
φ25	26.0±0.5	0.45±0.15	≤12.5	0.89±0.15	50	12.9 ~ 24
φ28	29.0±0.5	0.45±0.15	≤14.0	0.89±0.15	50	14.4 ~ 27
φ30	31.5±1.0	0.50±0.15	≤15.0	1.00±0.15	50	16 ~ 29
φ35	36.5±1.0	0.50±0.15	≤17.5	1.00±0.15	50	18 ~ 34
φ40	41.5±1.0	0.55±0.15	≤20.0	1.00±0.15	50	21 ~ 39
φ45	46.5±1.0	0.55±0.15	≤22.5	1.00±0.15	25	23.5 ~ 44
φ50	≥50	0.55±0.15	≤25.0	1.10±0.15	25	26 ~ 49
φ60	≥60	0.60±0.15	≤30.0	1.20±0.15	25	35 ~ 55
φ70	≥70	0.65±0.15	≤35.0	1.30±0.20	25	40 ~ 65
φ80	≥80	0.65±0.15	≤40.0	1.30±0.20	25	45 ~ 75
φ90	≥90	0.65±0.15	≤45.0	1.30±0.20	25	50 ~ 85
φ100	≥100	0.65±0.20	≤50.0	1.30±0.20	25	55 ~ 95

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ120	≥120	0.65±0.20	≤60.0	1.30±0.20	25	65 ~ 115
φ150	≥150	0.65±0.20	≤70.0	1.30±0.20	25	80 ~ 145
φ180	≥180	0.65±0.30	≤90.0	1.30±0.30	25	95 ~ 175
φ210	≥210	0.65±0.30	≤105.0	1.30±0.30	25	110 ~ 205
φ230	≥230	0.65±0.30	≤115.0	1.30±0.30	25	120 ~ 225
φ250	≥250	0.65±0.30	≤125.0	1.30±0.30	25	130 ~ 240


Other sizes are available upon special order

### HHST-3X


Size(mm)	Before	After Shrink		Packing (m)
	Shrinking ID(mm)	ID(mm)	Thickness min (mm)	
1.5/0.5	1.6	≤0.5	0.45	200m/roll
3.0/1.0	3.2	≤1.0	0.55	200 m/roll
4.5/1.5	4.8	≤1.5	0.60	100 m/roll

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

6.0/2.0	6.4	≤2.0	0.65	100 m/roll
9.0/3.0	9.5	≤3.0	0.75	100 m/roll
12.0/4.0	12.7	≤4.0	0.80	50 m/roll
18.0/6.0	19.1	≤6.0	0.90	50 m/roll
24.0/8.0	25.4	≤8.0	1.20	50 m/roll
39.0/13.0	39.0	≤13.0	1.25	50 m/roll

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## 03 .Heat Shrink Tubing Kit

**Model: HSTK**

### **Description**

Heat Shrink tubing kit/assortment (HSTK) is a small package of 2:1 Halogen free Heat shrinkable tube or 3:1 dual wall heat shrink tubing, specially sells in supermarket for home use. They can be packed in different kinds of boxes (paper box, plastic bag, plastic box) upon the requests.

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### **Packing 1. Plastic bag**

Material: Halogen Free Heat Shrinkable

Tube

Bag Size: 24 x 12 cm

Q' ty: 20pcs

Length: 19mm on each size

Color: as specified

Other sizes, colors, quantity are available

upon request.

### **Packing 2. Paper Box**

Material: Halogen Free Heat Shrinkable

Tube

Box Size: 30 x 9.5 x 30 cm

Length: 5 ~ 15M per Box

Tube Sizes: 3/32" ~ 1"

Color: as specified

Other sizes, colors, quantity are available

upon request.



## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Packing 3. Plastic Box

Material:2:1Halogen Free Heat Shrinkable

Tube

Box Size: 22.5x 11.8×3.5cm

Q' ty: 170pcs

Length:3.5" (87mm) on each size

Color: as specified

Other sizes, colors, quantity are available

upon request.

Customized design or packing are available upon request.

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## 04 .Semi-Rigid Heat Shrink Tubing

**Model: RHST**

### Description

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Semi-Rigid Heat Shrink Tubing RHST is manufactured with specially developed formulation and technology, which makes the tubing to be excellent abrasion resistant. The outstanding physical, chemical and electrical properties make it widely used in some important fields such as military, aerospace and fine electronic instruments for insulating of harness, and connectors.

### Features

- > Meet: UL 224, V W-1, 125°C600V
- > SAE-AMS-DTL-23053/5 Class1&3
- > Meet: RoHS, Sony-SS-00259
- > Resistant to common fluids and solvents
- > Operating temperature:-55°Cto +135°C
- > Minimum fully recovery temperature:130°C
- > Standard color: Black, Clear (Non flame retardant)

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	16MPa
Elongation at break	ASTM D 2671	500%
Tensile strength after aging (175°C/168hrs.)	ASTM D 2671	14MPa
Elongation after aging (175°C/168hrs.)	ASTM D 2671	250%

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Flammability	Self-extinguish in 30sec.	Pass
Heat shock (250°C/ 4hrs.)	ASTM D 2671	No cracking
Cold bend test (-55°C/ 4hrs.)	ASTM D 2671	No cracking
Dielectric strength	ASTM D 150	20kV/mm
Volume resistance	ASTM D 876	1014Ω.cm
Copper corrosion	UL 224	Pass
Water absorption	ASTM D 570	0.15%
Chemical resistance	SAE-AMS-DTL-23053/5	Pass
Longitudinal shrinkage	UL 224	0±5%
Eccentricity	UL 224	<30%

### Specification

Normal size (inch)	As supplied (mm)		After recovered (mm)		Standard length (m/spool)
	Inside diameter(Min.)	Inside diameter(Max.)	Inside diameter(Max.)	Wall thickness(Min.)	
3/ 64	1.2	0.6	0.6	0.4	200
1/16	1.6	0.8	0.8	0.4	200



## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

3/ 32	2.4	1.2	0.5	200
1/ 8	3.2	1.6	0.5	200
3/16	4.8	2.4	0.5	100
1/ 4	6.4	3.2	0.6	100
3/ 8	9.5	4.8	0.6	100
1/ 2	12.7	6.4	0.6	50
5/ 8	16.0	8.0	0.7	50
3/ 4	19.1	9.5	0.7	50
1	25.4	12.7	0.9	50

Special size, cutting pieces are available on request.

 [Inquiry of Semi-Rigid Heat Shrink Tubing](#)  [Download Semi-Rigid Heat Shrink Tubing](#)

## 05. Crimp Sealing Heat Shrinkable Tubing

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing



**Model: CHST**

### **Description**

Crimp Sealing Heat Shrinkable Tubing (CHST) is made by polyolefin with high property Polyamide adhesive-lined, which applied to terminals and crimp splices. Providing excellent water proof and corrosion resistance and completely insulates and protects electrical connections.

### **Features**

- > Shrink ratio: 3:1
- > Abrasion and corrosion resistance
- > Water proof and moisture resistance
- > Operating temperature: -55°C to +125°C
- > Minimum shrink temperature: 125°C
- > Complete Shrink Temperature: 140°C
- > Standard color: Red, Blue, Yellow

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Technical Data

Test Item	Characterisrics	Test condition
Un-aged Tensile strength	Min. 1.40 kgf/	Room temp.
Elongation	Min. 200%	
Aged Tensile strength	Min. 0.99 kgf/	158°C/7 days
Elongation	Min. 100%	
Voltage withstand and breakdown Voltage(Un-aged)	Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of un-aged breakdown voltage	158°C/7 days
Copper corrosion	No corrosion of bare copper	158°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%	158°C/7 days

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Cold bend	No crack	-30°C/1 hrs
Maximum secant modulus(2%)	17.65 kgf/	-
Volume resistivity	Min.1014Ω-cm	-
Heat shock	No crack	250°C/4 hrs

### Specification

Size	Color	As supplied(mm)		After recovered (mm)		Cut length(mm)	Standard length(m/spool)
		I.D.	Thickness (Nom.)	I.D(Max.)	Thickness(Min)		
CHST-1	Red	4.7±0.3	0.45	1.40	1.00/0.35	38	100
CHST-2	Blue	5.7±0.3	0.45	1.55	1.1/0.40	38	100
CHST-3	Yellow	6.7±0.3	0.50	2.1	1.1/0.45	42	100

[!\[\]\(e78f798d4ea5c530c9db49e7d26e6b95\_img.jpg\) Inquiry of Crimp Sealing Heat Shrinkable](#)
  
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Tubing

Tubing

## [Heat Shrink-Automobile Protect](#)

### 01. Diesel-Resistant Heat Shrink Elastomeric Tubing

**Model: DRHST**

#### **Description**

Diesel-Resistant Heat Shrink Elastomeric Tubing, DR heat shrink tubing, is made from modified radiation crosslinked elastomers. The specially designed formulation provides the tubing with high temperature fluid resistant, long term heat resistant and effective protection to cable termination, splices, joints used in military vehicles.

#### **Features**

>Resistance to Diesel

>Meet: SAE-AMS-DTL-23053/16

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

>Minimum fully Recovery Temperature: 175°C

>Rohs Compliant

>Standard color: Black

### Technical Data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-75°C to +150°C
Tensile strength	ASTM D 2671	≥13MPa
Elongation at break	ASTM D 2671	≥500%
Elongation at break after aging	160°C/168hrs.	≥220%
Heat shock	215°C/4hrs.	No cracking or dropping
Flexibility (2% secant)	ASTM D 882	≤50MPa
Flammability	ASTM D 2671	Self-extinguish in 15sec.
Volume resistance	ASTM D 876	≥109Ω.cm
Fluid resistance tensile strength	ISO37 24hrs. (diesel70°C,hydraulic70°C, lubricant100°C)	≥10MPa
Fluid resistance elongation	°C)	≥300%

### Specification

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Normal Size (inch )	As Supplied(mm)		After recovered (mm)		Tube shape	Standard length (m/spool)
	(mm )	InsideDiameter(Min.)	InsideDiameter(Max.)	WallThickness(Nom.)		
1/8	3.2	3.2	1.6	0.76±0.15	O	100
3/16	4.8	4.8	2.4	0.84±0.15	O	100
1/4	6.4	6.4	3.2	0.89±0.15	O	100
3/8	9.5	9.5	4.8	1.02±0.20	-	50
1/2	12.7	12.7	6.4	1.22±0.20	-	30
3/4	19.1	19.1	9.5	1.45±0.28	-	30
1	25.4	25.4	12.7	1.78±0.28	-	30
1 1/2	38.1	38.1	19.1	2.41±0.41	-	15
2	50.8	50.8	25.4	2.79±0.41	-	15
3	76.0	76.0	38.0	3.18±0.50	-	15

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Tube shape: "O" : Round or Oval, "—" : Flat

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[Elastomeric Tubing](#)

[Elastomeric Tubing](#)

### 02. 4:1 Flexible Dual Wall Heat Shrink Tubing



**Model: DHST-FA**

#### **Application:**

4:1 Flexible Dual Wall Heat Shrink Tubing is a High-Shrink-Ratio, Adhesive-Lined Flexible Polyolefin Tubing. 4:1 shrink ratio allows a few sizes to cover a wide range of splice and component diameters, mechanically tough tubing provides strain relief and abrasion protection of wire splices, terminals, and other components, adhesive-lined against fluids, moisture and other contaminants.

> 4:1 Very high shrink ratio

> Longitudinal shrink ratio:  $\leq \pm 8\%$



## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

- > Out jacket flame retardant, inner adhesive self-extinguished
- > Continuous operating temperature: -45°C~ 125°C
- > Shrink temperature: 105°C
- > Color: Black,Clear,etc

### Technical Data:

Test Item	Test Method	Test Result
Tensile Strength(Mpa)	ASTM D2671	≥10.4
Elongation%	ASTM D2671	≥300
Tensile Strength afterAging (Mpa)	UL 224 158×168hr	≥7.3
Elongation after Aging%	UL 224 158°C×168hr	≥100
Dielectric Strength	IEC 243	≥ 15
Volume Resistance(Ω.cm)	ASTM D876	≥ 10 <sup>14</sup>

### Hot Melting Adhesive Property:

Test Item	Test Method	Test Result
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## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Water absorption ratio:	ASTM-D570	<0.2%
Softing point	ASTM-E8	85°C
Strength of pearing(PE)	ASTM-D1000	120N/25m
Strength of pearing(AL)	ASTM-D1000	80N/25m

### DHST-FA

Size		As supplied		After recovery		Standard Package
Inch	mm	Internal Diameter(mm)	Internal Diameter	Total W.all Thickness	Adhesive thickness	m/pc
1/4	6.0	6.0	1.27	1.30±0.15	0.56±0.15	1.22
5/16	8.0	8.0	1.65	1.65±0.15	0.76±0.15	1.22
1/2	12.0	12.0	2.41	2.00±0.15	1.02±0.15	1.22
3/4	18.0	18.0	4.45	2.50±0.15	1.37±0.15	1.22

\*Special size, cutting pieces are available on request.

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### 03. 4:1 Semi-rigid Dual Wall Heat Shrink Tubing

**Model: DHST-ES**

**Application:**

4:1 Semi-rigid Dual Wall Heat Shrink Tubing is a High-Shrink-Ratio, Adhesive-Lined Semi-rigid Polyolefin Tubing. 4:1 shrink ratio allows a few sizes to cover a wide range of splice and component diameters, mechanically tough tubing provides strain relief and abrasion protection of wire splices, terminals, and other components, adhesive-lined against fluids, moisture and other contaminants.

- > 4:1 Very high shrink ratio
- > Longitudinal shrink ratio:  $\leq \pm 8\%$
- > Out jacket flame retardant, inner adhesive self-extinguished

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

- > Continuous operating temperature: -45°C~ 125°C
- > Shrink temperature: 125°C
- > Color: Black, Clear, etc

### Technical Data:

Test Item	Test Method	Test Result
Tensile Strength(Mpa)	ASTM D2671	≥12
Elongation%	ASTM D2671	≥300
Tensile Strength after Aging (Mpa)	UL 224 158×168hr	≥7.3
Elongation after Aging%	UL 224 158°C×168hr	≥200
Dielectric Strength	IEC 243	≥ 15
Volume Resistance(Ω.cm)	ASTM D876	≥ 10 <sup>14</sup>

### Hot Melting Adhesive Property:

Test Item	Test Method	Test Result
Water absorption ratio:	ASTM-D570	<0.2%

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Softing point	ASTM-E8	95°C
Strength of pearing(PE)	ASTM-D1000	120N/25m
Strength of pearing(AL)	ASTM-D1000	80N/25m

### DHST-ES

Size		As supplied		After recovery		Standard Package
Inch	mm	Internal Diameter(mm)	Inertnal Diameter	Total W.all Thickness	Adhesive thickness	m/pc
1/4	6.0	6.0	1.27	1.30±0.15	0.56±0.15	1.22
5/16	8.0	8.0	1.65	1.65±0.15	0.76±0.15	1.22
1/2	12.0	12.0	2.41	2.00±0.15	1.02±0.15	1.22
3/4	18.0	18.0	4.45	2.50±0.15	1.37±0.15	1.22

\*Special size, cutting pieces are available on request.

[!\[\]\(74d4806277d7e73349d8e8c0897931e9\_img.jpg\) Inquiry of 4:1 Semi-rigid Dual Wall Heat](#) [!\[\]\(5f42d2cd7ad901bc24e5d35a38c777fd\_img.jpg\) Download 4:1 Semi-rigid Dual Wall Heat](#)

## [High Temperature Heat Shrink Tubes](#)

### 01. Heat Shrink PTFE Tubing

**Model: HSTT**

#### **Description**

Heat Shrink PTFE Teflon Tubing helps extend product life by providing a protective covering that resists heat, shock, corrosion, moisture and other extremes. They have excellent surface lubricity and high dielectric strength. They are water resistant, chemically inert, and can be produced in a number of custom sizes with a range of shrink ratios.

#### **Applications**

- > Guidewire jacketing (interventional, access)
- > Coating surgical instruments

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

- >Dielectric insulation
- >Component covering
- >Water proofing
- >Abrasion/corrosion protection
- >Reflow bonding

### Property:

Test Item	Value
Material	PTFE
Color	transparent
Operating temperature	-80°C ~ 260°C
Flammability	UL94V-1
Shrinking temperature	280°C-320°C
Impedance	$\geq 1018\Omega.CM$
Water absorption	$\leq 0.01\%$
Longitudinal shrinkage	5%
Tensile strength	> 2700psi
Elongation at break	> 200%

### HSTT-1.7X

Size(mm)	I.D. before	Average	I.D. after	Thickness after
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## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

	shrinking (mm)	thickness(mm)	recovery (mm)	full recovery(mm)
φ0.5	0.7±0.2	0.10±0.05	≤0.40	0.15±0.05
φ1.0	1.0±0.2	0.10±0.05	≤0.50	0.15±0.05
φ1.5	1.5±0.2	0.10±0.05	≤0.90	0.15±0.05
φ2.0	2.0±0.2	0.10±0.05	≤1.30	0.15±0.05
φ2.5	2.5±0.2	0.10±0.05	≤1.50	0.15±0.05
φ3.0	3.0±0.2	0.15±0.05	≤1.80	0.20±0.05
φ3.5	3.5±0.2	0.15±0.05	≤2.0	0.20±0.05
φ4.0	4.0±0.2	0.15±0.05	≤2.5	0.20±0.05
φ4.5	4.5±0.2	0.15±0.05	≤2.8	0.20±0.05
φ5.0	5.0±0.3	0.15±0.05	≤3.0	0.20±0.05
φ6.0	6.0±0.3	0.15±0.05	≤3.8	0.25±0.05




## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ7.0	7.0±0.3	0.15±0.05	≤4.0	0.25±0.05
φ8.0	8.0±0.3	0.15±0.05	≤4.8	0.25±0.05
φ9.0	9.0±0.3	0.15±0.05	≤5.0	0.25±0.05

### HSTT-4X

Size	I.D. before shrinking(mm)	Thickness before shrinking(±0.01) (mm)	I.D. after recovery(mm)
φ2.0	2.36(3/32")	0.12	0.50
φ3.0	3.17(1/8")	0.12	0.7
φ4.5	4.77(3/16")	0.12	1.2
φ6.0	6.35(1/4")	0.12	1.5

 [Inquiry of Heat Shrink PTFE Tubing](#)

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## 02. Heat Shrink Silicone Rubber Tubing

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Model: HSST

#### Description:

Heat Shrink Silicone Rubber Tubing is made of Modified Silicone Rubber, It is Thin Wall, and High Temperature, with 1.7:1 Shrinking Ratio. It is widely used in household and commercial appliances, beverage and vending machines, Medical and laboratory .

#### Application:

- >Flexible electrical insulation sleeving and cable harnessing.
- >Tubing for household and commercial appliances, beverage and vending machines.
- >High and low temperature hose for industrial machinery and equipment (low pressure).
- >Medical and laboratory tubing

#### Property:

Test Item	Value
Density 25°C	1.2
Rigidity JIS-A	70
Tensile strength	6.9Mpa(70Kgf/cm)
Elongation at break	400%

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Tensile strength at break JIS-A	25Kgf/Cm
Volume resistance	$2 \times 10^{14} \Omega \cdot \text{cm}$
Breakdown Voltage (1mm)	25KV
Dielectric constant (*)50Hz	3.2
Operating temperature range	-50°C - +200°C
Shrinking Ratio	about 50%
Shrinking temperature	90°C above
RoHs Compliant	Pass (SGS report)
Low Smoking IEC 60754	Pass
Flammability Rating	Flame-Retardant(HSST-F Type)
Radiation resistance – 10 <sup>6</sup> MGy	Pass
Chemical resistance	Not strong acid or alkali resistance
Fluid Resistance	Splash Protection of Aviation Fuel, Brake Fluid, Hydraulic Fluid, Lubricating Oil,

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Water

Aging 200°C- 4hours, 180°C-168hours.

Pass

### Specification:

Size (mm)	Before Shrinking		After Shrinking	
	I.D.(mm)	Thickness(mm)	I.D.(mm)	Thickness(mm)
φ1.0	1.0	0.5±0.1	0.6	0.7±0.1
φ1.5	1.5	0.5±0.1	0.8	0.7±0.1
φ2.0	2.0	0.5±0.1	1.2	0.7±0.1
φ2.5	2.5	0.5±0.1	1.5	0.7±0.1
φ3.0	3.0	0.5±0.1	1.8	0.7±0.1
φ3.5	3.5	0.5±0.1	2.0	0.7±0.1
φ4.0	4.0	0.5±0.1	2.5	0.7±0.1
φ4.5	4.5	0.5±0.1	2.8	0.7±0.1

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ5.0	5.0	0.5±0.1	3.0	0.7±0.1
φ6.0	6.0	0.5±0.1	3.8	0.7±0.1
φ7.0	7.0	0.5±0.1	4.0	0.7±0.1
φ8.0	8.0	0.5±0.1	4.8	0.7±0.1
φ9.0	9.0	0.5±0.1	5.0	0.7±0.1
φ10	10.0	1.0±0.1	6.5	1.7±0.1
φ12	12.0	1.0±0.1	7.0	1.7±0.1
φ15	15.0	1.0±0.1	9.0	1.7±0.1
φ18	18.0	1.0±0.1	11.0	1.7±0.1
φ20	20.0	1.0±0.1	13.0	1.7±0.1
φ25	25.0	1.0±0.1	15.0	1.7±0.1
φ30	30.0	1.0±0.1	18.0	1.7±0.1
φ35	35.0	1.0±0.1	20.0	1.7±0.1

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

φ40	38.0	1.0±0.1	25.0	1.7±0.1
φ50	47.0	1.0±0.1	30.0	1.7±0.1
φ60	57.0	1.5±0.1	38.0	2.5±0.1
φ70	67.0	1.5±0.1	45.0	2.5±0.1
φ80	77.0	1.5±0.1	48.0	2.5±0.1
φ90	87.0	1.5±0.1	52.0	2.5±0.1
φ100	97.0	1.5±0.1	57.0	2.5±0.1
φ110	107.0	1.5±0.1	63.0	2.5±0.1

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[Tubing](#)

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## 03. 200°C Heat Shrink Viton Tubing

**Model: HHST-200**

**Description**

200°C Heat Shrink Viton Tubing is made from modified fluoroelastomer (Viton), with superior impact, abrasion and cut through resistant, it is suitable to many applications requiring high resistance to corrosive fluids, fuels, lubricants, acids and solvents at elevated temperature.

**Features**

- >Approval: UL, V W-1,
- >Meet: SAE-AMS-DTL-23053/13
- >Very flexible
- >Excellent resistance of chemicals
- >Operating temperature -55°C to +200°C
- >Minimum fully recovery temperature: 175°C
- >Standard color: Black

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Technical Data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +200°C
Tensile strength	ASTM D 2671	8.5MPa
Elongation at break	ASTM D 2671	250%
Elongation at break after aging	250°C/168hrs.	200%
Heat shock	300°C/4hrs.	No cracking or dropping
Flexibility	ASTM D 412	13.8MPa
Flammability	ASTM D 2671	Self-extinguish in 15sec.
Volume resistance	ASTM D 876	109Ω.cm
Dielectric strength	ASTM D 2671	7.9kV/mm
Copper corrosion	SAE-AMS-DTL-23053/13 (175°C/16hrs.)	No corrosion

### Specification

Normal size (inch)	As supplied(mm)		After recovered (mm)		Tube shape	Standard length(m/spool)
	Inside diameter (Min.)	Inside diameter (Max.)	Wall thickness (Nom.)			
(mm)						



## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

1/8	3.2	3.2	1.6	0.76±0.20	O	50
3/16	4.8	4.8	2.4	0.89±0.20	O	50
1/4	6.4	6.4	3.2	0.89±0.20	O	50
3/8	9.5	9.5	4.8	0.89±0.20	-	50
1/2	12.7	12.7	6.4	0.89±0.20	-	30
3/4	19.1	19.1	9.5	1.07±0.30	-	30
1	25.4	25.4	12.7	1.25±0.30	-	30
1-1/2	38.1	38.1	19.1	1.40±0.30	-	15
2	50.8	50.8	25.4	1.65±0.30	-	10

### Remarks:

1. (Viton®) is a registered trademark of E.L Du Pont de Nemours and Co.Inc
2. Tube shape: "O" : Round or Oval, "—" : Flat

 [Inquiry of 200°C Heat Shrink Viton Tubing](#)  [Download 200°C Heat Shrink Viton Tubing](#)

## 04. 175°C Heat Shrink PVDF Tubing (KYNAR)

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

### Model: HHST-175

#### Description

175°C Heat Shrink PVDF Tubing (KYNAR) HHST-175 is semi-rigid, excellent flame retardant heat-shrinkable Polyvinylidene fluoride (PVDF) tube for applications requiring high temperature performance, outstanding abrasion and cut through resistance or superior chemical and solvent resistant properties. It reliably protects wires, solder joints, terminals and connections and components from most industrial fuels, solvents and chemicals.

#### Features

- >Approvals: UL, VW -1
- >Meet: RoHS, SAE-AMS-DTL-23053/18
- >Operating temperature: -55°C to +175°C
- >Minimum shrink temperature: 175°C
- >Standard color: Clear

#### Technical Data

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +175°C
Tensile strength	ASTM D 2671	34.5MPa
Elongation at break	ASTM D 2671	150%
Elongation at break after aging	250°C/168hrs.	100%
Heat shock	300°C/1hr.	No cracking
Cold bend	-55°C/1hr.	No cracking
Flammability	VW -1	Pass
Volume resistance	IEC 93	1013Ω.cm
Dielectric strength	ASTM D 2671	30kV/mm

### Specification

Normal size (inch)	As supplied(mm) (mm)	After recovered (mm)		Tube shape	Standard length (m/roll)
		Inside diameter (Min.) (Max.)	Wall thickness(Nom.)		

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

3/ 64	1.2	1.2	0.6	0.25±0.05	O	200
1/16	1.6	1.6	0.8	0.25±0.05	O	200
3/ 32	2.4	2.4	1.2	0.25±0.05	O	200
1/ 8	3.2	3.2	1.6	0.25±0.05	O	100
3/16	4.8	4.8	2.4	0.25±0.05	O	100
1/ 4	6.4	6.4	3.2	0.30±0.05	O	100
3/ 8	9.5	9.5	4.8	0.30±0.05	-	50
1/ 2	12.7	12.7	6.4	0.30±0.05	-	50
3/ 4	19.1	19.1	9.5	0.42±0.05	-	50
1	25.4	25.4	12.7	0.50±0.05	-	50
1-1/2	38.1	38.1	19.1	0.50±0.05	-	50

Tube shape: "O" : Round or Oval, "—" : Flat

 [Inquiry of 175°C Heat Shrink PVDF](#)

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[Tubing\(KYNAR\)](#)

[Tubing\(KYNAR\)](#)

## 05. 150°C Heat Shrink Polyolefin Tubing

**Model: HHST-150**

### **Description**

150°C Heat Shrink Polyolefin Tubing HHST-150 is excellent flame-retardant heat-shrinkable Polyolefin tube for applications requiring high-temperature resistance, outstanding abrasion and cut-through resistance or superior chemical and solvent resistant properties. It reliably protects solder joints, terminals and connections from most industrial fuels, solvents and chemicals. The glass-like appearance makes it easy to inspect the mark on protected harness.

### **Features**

- > **Flame-retardant**
- > **Good resistance to common fluids and solvents;**
- > **Operating temperature: -55°C ~ +150°C**
- > **RoHS compliant**

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

>Standard color: Clear, Black

### Technical Data

Item	Testing Method	Typical Data
Fully Shrinkage Temperature °C		135
Operating Temperature °C		150
Radial Shrinking Ratio %	UL224	≥50
Longitudinal Shrinking Ratio %	UL224	≤±5
Tensile strength MPa	GB/T 1040	≥10.4
Elongation %	GB/T 1040	≥200
After Aging 168hrs,180.0±1.0°C	Tensile strength MPa	UL224 ≥7.3
	Elongation %	UL224 ≥100
Concentricity Rate %	UL224	≥70
Volume Resistance Ω.cm	GB/T 1410	≥1014

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

Dielectric Strength kv/mm	GB/T 1408	≥15
Water Absorption %	ASTM D570	≤0.5
Copper Corrosion	UL224	No Corrosion
Heat Shock	250°C,4h	No Dripping, Flowing, No Crack
Flammability	UL224	VW-1

### Product Dimensions (mm/inch)

Size inch	Size ( mm )	As Supplier ( mm )		After Recovered ( mm )	
		I.D.	Thickness (Min)	I.D.	Thickness (Min)
	φ0.6	≥0.90	0.2	≤0.35	0.33
3/64	φ0.8	≥1.00	0.2	≤0.40	0.33
1/16	φ1.0	≥1.60	0.2	≤0.65	0.33
	φ1.5	≥2.00	0.2	≤0.85	0.36
3/32	φ2.0	≥2.50	0.25	≤1.00	0.44

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

	φ2.5	≥3.00	0.25	≤1.25	0.44
1/8	φ3.0	≥3.50	0.25	≤1.50	0.44
	φ3.5	≥4.00	0.25	≤1.75	0.44
	φ4.0	≥4.50	0.25	≤2.00	0.44
	φ4.5	≥4.80	0.30	≤2.25	0.44
	φ5.0	≥5.30	0.30	≤2.50	0.56
	φ6.0	≥6.40	0.30	≤3.00	0.56
	φ7.0	≥7.40	0.30	≤3.50	0.56
	φ8.0	≥8.40	0.30	≤4.00	0.56
3/8	φ9.0	≥9.30	0.30	≤4.50	0.56
	φ10	≥10.3	0.30	≤5.00	0.56
	φ11	≥11.3	0.30	≤5.50	0.56
1/2	φ12	≥12.30	0.30	≤6.00	0.56




## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

	φ13	≥13.4	0.35	≤6.50	0.69
	φ14	≥14.4	0.35	≤7.00	0.69
	φ15	≥15.5	0.35	≤7.50	0.69
	φ16	≥16.5	0.35	≤8.00	0.69
	φ17	≥17.5	0.35	≤8.50	0.69
3/4	φ18	≥18.9	0.40	≤9.00	0.69
	φ20	≥21.5	0.40	≤10.0	0.77
	φ22	≥23.4	0.40	≤11.0	0.77
1	φ25	≥25.6	0.40	≤12.5	0.77
1-1/4	φ28	≥29.0	0.45	≤14.0	0.87
	φ30	≥31.5	0.45	≤15.0	0.87
	φ35	≥36.5	0.50	≤17.5	0.87
1-1/2	φ40	≥41.5	0.50	≤20.0	0.87

## Heat Shrink Tubes Manufacturer and Supplier - Dicore Tubing

2	φ50	≥51.5	0.50	≤25.0	0.97
	φ60	≥60.0	0.50	≤30.0	1.07
3	φ70	≥70.0	0.50	≤35.0	1.17
	φ80	≥80.0	0.55	≤40.0	1.17
4	φ100	≥100.0	0.55	≤50.0	1.17
5	φ120	≥120.0	0.55	≤60.0	1.17
6	φ150	≥150.0	0.55	≤70.0	1.17

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Dicore' s mission is to be a preeminent ultimate solution provider in the **Heat Shrink Tubing** products and wiring harness region through exceptional product quality and cordial professional service.

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