Special Heat Shrink Parts

S17 Electromagnetic Shielding Protection Heat Shrink Tube

Introduction

Designed for shielding and protecting electromagnetic signal interference sensitive components in military equipment.

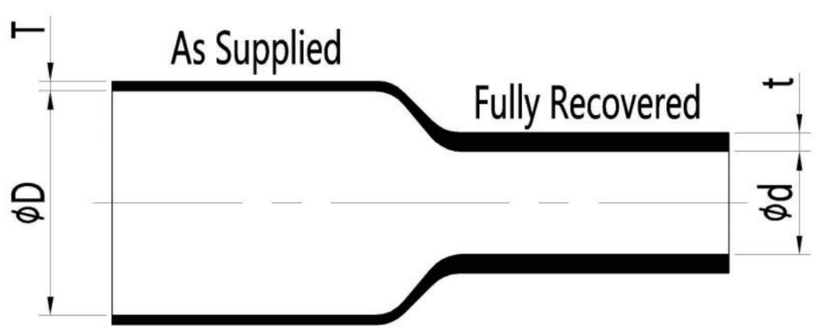
Features

- Operating temperature: -55 to 135°C
- Minimum full recovery temperature: 135°C
- Compliant Standard GB/T 32511-2016 & GJB 8820-2015
- Shrink ratio: 2:1 & 3:1
- Electromagnetic shielding
- Flame-retardant

Dimension

Part No. S17	As supplied(mm)	After recovered (mm)		Standard Length (m)
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t	
Shrink Ratio 2:1				
3.2/1.6	3.2	1.6	0.40±0.10	0.5
4.8/2.4	4.8	2.4	0.51±0.10	0.5
6.4/3.2	6.4	3.2	0.64±0.12	0.5
7.9/4.0	7.9	4.0	0.64±0.12	0.5
9.5/4.8	9.5	4.8	0.64±0.12	0.5
12.7/6.4	12.7	6.4	0.64±0.12	0.5
15.9/7.9	15.9	7.9	0.64±0.12	0.5
19.1/9.5	19.1	9.5	0.76±0.12	0.5
22.2/11.1	22.2	11.1	0.89±0.15	0.5/1
25.4/12.7	25.4	12.7	0.89±0.15	0.5/1
31.8/15.9	31.8	15.9	1.02±0.20	0.5/1
38.1/19.1	38.1	19.1	1.02±0.20	0.5/1
50.8/25.4	50.8	25.4	1.14±0.20	0.5/1
76.2/38.1	76.2	38.1	1.27±0.20	0.5/1
101.6/50.8	101.6	50.8	1.40±0.25	0.5/1
127.0/63.5	127.0	63.5	1.52±0.25	0.5/1
Shrink Ratio 3:1				
3/1	3	1	0.55±0.12	0.5
6/2	6	2	0.65±0.12	0.5
9/3	9	3	0.80±0.15	0.5
12/4	12	4	0.85±0.15	0.5
18/6	18	6	1.00±0.15	0.5
24/8	24	8	1.20±0.20	0.5/1
39/13	39	13	1.50±0.25	0.5/1

Ordering Note: Please order according to "model-specification-color", such as S17-9.5/4.8-0
Color code: Black (-0).Others available on request.



Technical Data

Property	Test Method	Requirement
Longitudinal change	--	-10%~5%
Restricted Shrinkage	175°C/30min	No cracking
Water absorption	23°C/24h	⩽0.5%
Tensile Strength	500mm/min	⩾10.4MPa
Ultimate Elongation	500mm/min	⩾200%
Heat shock	250°C/4h	No cracking, dripping or flowing
Heat Aging	175°C/168h	
Tensile Strength		⩾70% value before test
Ultimate Elongation		⩾100%
Dielectric strength	--	⩾7.9kV/mm
Dielectric withstand	AC 2500V, 60s	No cracking
Volume resistivity	--	⩾$1.0\times10^{12}\Omega\cdot cm$
Electromagnetic Shielding Effectiveness	GBT 32511-2016 GJB 8820-2015	30MHZ~230MHz, ⩾60dB 230MHz~1GHz, ⩾50dB 1GHz~18GHz, ⩾40dB
Volume resistivity	GBT 32511-2016	⩽$1.0\times10^{-1}\Omega\cdot cm$
Surface resistivity	GBT 32511-2016	⩽$1.0\times10^{1}\Omega\cdot m^2$
Inner Layer resistance	--	⩽1Ω/10cm
Fluid resistance	23°C/24h	
Tensile Strength		⩾70% value before test
Dielectric Strength		⩾100%
Flammability	--	⩽60S burning duration
Copper corrosion	175°C/16h	No corrosion
Low-temperature flexibility	-55°C/4h	No cracking
Thermal cycling	-55°C/135°C	
Tensile Strength	/10 cycles	⩾70% value before test
Ultimate Elongation		⩾100%
Salt spray test	GJB 150.11	
Tensile Strength		⩾70% value before test
Ultimate Elongation		⩾100%
Damp-heat test	GJB 150.9	
Tensile Strength		⩾70% value before test
Ultimate Elongation		⩾100%
Fungus Resistance	GJB 150.10	No worse than rating 1

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