

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT500SW

FT500SW is a cross-linked, flexible and flame-retardant polyolefin heat shrink tubing suitable for a wide range of applications. Particularly suited for electrical cable insulation and anticorrosion protection.

Operating temperature: -55°C to +125°C

Min full shrink temp.: +125°C

Shrink ratio: 2 : 1

Standard color: Black, Red, Blue, Green, Yellow, White, Yellow/Green, other colors on request



Description	As supplied (mm)	After shrinkage (mm)	
	I.D.	I.D.	W.T.
FT500SW-0.8	1.1±0.2	0.50	0.22
FT500SW-1.0	1.5±0.2	0.65	0.28
FT500SW-1.5	2.0±0.2	0.85	0.32
FT500SW-2.0	2.5±0.2	1.00	0.35
FT500SW-2.5	3.0±0.2	1.30	0.38
FT500SW-3.0	3.5±0.2	1.50	0.40
FT500SW-3.5	4.0±0.2	1.80	0.42
FT500SW-4.0	4.5±0.2	2.00	0.45
FT500SW-4.5	5.0±0.2	2.30	0.50
FT500SW-5.0	5.5±0.2	2.50	0.55
FT500SW-6.0	6.5±0.2	3.00	0.55
FT500SW-8.0	8.5±0.3	4.00	0.60
FT500SW-10.0	10.5±0.3	5.00	0.60
FT500SW-12.0	12.5±0.3	6.00	0.60
FT500SW-14.0	14.5±0.3	7.00	0.65
FT500SW-16.0	16.5±0.4	8.00	0.70
FT500SW-18.0	19.0±0.5	9.00	0.80
FT500SW-20.0	21.0±0.5	10.00	0.80
FT500SW-22.0	23.0±0.5	11.00	0.80
FT500SW-25.0	26.0±0.5	12.50	0.90
FT500SW-28.0	29.0±0.5	14.00	0.90
FT500SW-30.0	31.5±1.0	15.00	0.95
FT500SW-40.0	41.5±1.0	20.00	0.95
FT500SW-50.0	≥50.0	25.00	1.00
FT500SW-60.0	≥60.0	31.00	1.00
FT500SW-80.0	≥80.0	41.00	1.20
FT500SW-90.0	≥90.0	46.00	1.20
FT500SW-100.0	≥100.0	51.00	1.20
FT500SW-120.0	≥120.0	61.00	1.30
FT500SW-150.0	≥150.0	76.00	1.30

*further dimensions on request

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Attributes	Test Method	Typical Value
Mechanical		
Tensile strength	ASTM D 2671	≥10.4MPa
Ultimate Elongation	ASTM D 2671	≥200%
Longitudinal change	ASTM D2671	-5% to ~+5%
After ageing (158°C x 168h): Tensile strength Ultimate elongation		≥7.3MPa ≥100%
Flammability	ASTM D 2671 (method C)	VW-1
Electrical		
Dielectric strength (KV/mm)	ASTM D 149	≥15
Volume resistivity	ASTM D 876	≥1x10 ¹⁴ Ω x cm
Voltage withstand (2500V / 60s)	UL224	No breakdown

Packaging: On spools.

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end.
Pre-heat metal body.

Storage requirements: Avoid direct sunlight, rain and trampling.
Temperature: -10°C to 45°C.
Humidity: annual mean ≤75%, less than 30 days > 75%, ≤95% one year.
Max storage period : 36 months from the date of production