

SP Series

Heat Shrink Tubing



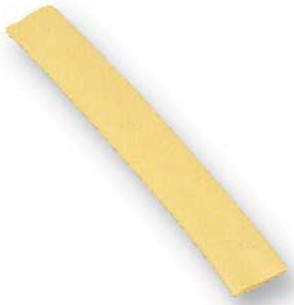
Black



Blue



Yellow



Red



Green Yellow



Features:

- Shrink ratio 2:1.
- Operating temperature range -55°C to 135°C.
- Shrink temperature 100°C.
- Suitable for general use on high quality equipment.
- Flexible general purpose heat shrinkable polyolefin tubing.

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Heat Shrink Tubing



Specification Values

Property	Test Method	Values
Tensile strength	ISO 37	10MPa minimum
Ultimate elongation	ISO 37	250% minimum
Specific gravity	ISO 1183	1.35 maximum
Heat shock	ASTM D2671 (4 hours at 250°C)	No dripping, cracking or flowing
Heat ageing Ultimate elongation	ISO 188 (168 hours at 175°C) ISO 37	150% minimum
Low temperature flexibility	ASTM D2671 (4 hours at -55°C)	No cracking
Flammability (except clear)	ASTM D876	Pass
Electric strength	IEC 243	20kV/mm minimum
Corrosion (copper contact and copper mirror)	ASTM D2671	No corrosion
Water absorption	ISO 62	0.5% maximum
Fluid resistance Gasoline Hydraulic fluid Lubricating oil	ISO 1817	7MPa minimum
Tensile strength Ultimate elongation	ISO 37	200% minimum
Fungus resistance	ISO 846	
Tensile strength Ultimate elongation	ISO 37	10Mpa minimum 250% minimum

Specification References/Approvals

Type	Shrinktek	Military	CSA
SP	ST6002	MIL-DTL 23053/5 DEF STAN 59-97 VG 95343 Pt5	600V, 125°C (OFT)



SP Series

Heat Shrink Tubing



Specification Table - Reels

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Black	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/RL/BLACK
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/RL/BLACK
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/RL/BLACK
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/RL/BLACK
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/RL/BLACK
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/RL/BLACK
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/RL/BLACK
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/RL/BLACK
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/RL/BLACK

Dimensions: Millimetres (Inches)

Specification Table - 1.2m Lengths

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Black	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/BLACK
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/BLACK
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/BLACK
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2BLACK
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2BLACK
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/BLACK
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/BLACK
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/BLACK
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/BLACK
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/BLACK
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/BLACK
Clear	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/CLEAR
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/CLEAR
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/CLR
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/CLEAR
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/CLEAR
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/CLEAR
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/CLEAR
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/CLEAR
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/CLEAR
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/CLEAR
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/CLEAR

Dimensions: Millimetres (Inches)



SP Series

Heat Shrink Tubing



Specification Table - 1.2m Lengths

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Red	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/RED
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/RED
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/RED
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/RED
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/RED
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/RED
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/RED
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/RED
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/RED
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/RED
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/RED
Yellow	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/YELLOW
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/YELLOW
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/YELLOW
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/YELLOW
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/YELLOW
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/YELLOW
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/YELLOW
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/YELLOW
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/YELLOW
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/YELLOW
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/YELLOW
Blue	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/BLUE
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/BLUE
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/BLUE
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/BLUE
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/BLUE
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/BLUE
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/BLUE
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/BLUE
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/BLUE
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/BLUE
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/BLUE

Dimensions: Millimetres (Inches)



SP Series

Heat Shrink Tubing



Specification Table - 1.2m Lengths

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Green/Yellow	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)	0.50 (0.019)	SP32/1.2/GREEN/YEL
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/GREEN/YEL
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/GREEN/YEL
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/GREEN/YEL
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/GREEN/YEL
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/GREEN/YEL
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/GREEN/YEL
White	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/WHITE
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/WHITE
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/WHITE
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)	0.50 (0.019)	SP48/1.2/WHITE
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/WHITE
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/WHITE
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/WHITE
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/WHITE
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/WHITE
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/WHITE
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/1.2/WHITE
Green	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/GREEN
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/GREEN
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/GREEN
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/GREEN
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/GREEN
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/GREEN
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/GREEN
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/GREEN
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/1.2/GREEN
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/1.2/GREEN
Brown	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/1.2/BROWN
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/1.2/BROWN
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/1.2/BROWN
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/1.2/BROWN
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/1.2/BROWN
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/1.2/BROWN
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/1.2/BROWN
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/1.2/BROWN

Dimensions: Millimetres (Inches)



SP Series

Heat Shrink Tubing



Specification Table - 5m Coils

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Black	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/BLACK
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/BLACK
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/BLACK
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/BLACK
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/BLACK
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/BLACK
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/BLACK
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/BLACK
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/5/BLACK
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/5/BLACK
	50.8 (2.000)	50.8 (2.000)	25.4 (1.000)	1.15 (0.045)	SP508/5/BLACK
Yellow	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/YELLOW
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/YELLOW
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/YELLOW
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/YELLOW
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/YELLOW
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/YELLOW
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/YELLOW
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/YELLOW
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/5/YELLOW
Red	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/RED
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/RED
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/RED
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/RED
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/RED
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/RED
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/RED
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/RED
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/5/RED
	38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/5/RED

Dimensions: Millimetres (Inches)



Specification Table - 5m Coils

Colour	Size	Minimum Expansion	Maximum Recovered	Nominal Recovered Wall	Part Number
Blue	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/BLUE
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/BLUE
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/BLUE
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/BLUE
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/BLUE
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/BLUE
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/BLUE
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/BLUE
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/5/BLUE
38.1 (1.500)	38.1 (1.500)	19.1 (0.750)	1.00 (0.039)	SP381/5/BLUE	
White	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/WHITE
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/WHITE
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/WHITE
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/WHITE
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/WHITE
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/WHITE
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/WHITE
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/WHITE
Green	1.6 (0.063)	1.6 (0.063)	0.8 (0.031)	0.45 (0.018)	SP16/5/GREEN
	2.4 (0.093)	2.4 (0.093)	1.2 (0.046)	0.50 (0.019)	SP24/5/GREEN
	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)		SP32/5/GREEN
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/GREEN
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/GREEN
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/GREEN
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/GREEN
Green/Yellow	3.2 (0.125)	3.2 (0.125)	1.6 (0.062)	0.50 (0.019)	SP32/5/GREEN/YEL
	4.8 (0.187)	4.8 (0.187)	2.4 (0.093)		SP48/5/GREEN/YEL
	6.4 (0.250)	6.4 (0.250)	3.2 (0.125)	0.65 (0.026)	SP64/5/GREEN/YEL
	9.5 (0.375)	9.5 (0.375)	4.8 (0.187)		SP95/5/GREEN/YEL
	12.7 (0.500)	12.7 (0.500)	6.4 (0.250)		SP127/5/GREEN/YEL
	19.0 (0.750)	19.1 (0.750)	9.5 (0.375)	0.75 (0.029)	SP190/5/GREEN/YEL
	25.4 (1.000)	25.4 (1.000)	12.7 (0.500)	0.90 (0.035)	SP254/5/GREEN/YEL

Dimensions: Millimetres (Inches)

SP Series

Heat Shrink Tubing



Notes:

International Sales Offices:



AUSTRALIA – Farnell InOne
Tel No: ++ 61 2 9645 8888
Fax No: ++ 61 2 9644 7898



FINLAND – Farnell InOne
Tel No: ++ 358 9 560 7780
Fax No: ++ 358 9 345 5411



NETHERLANDS – Farnell InOne
Tel No: ++ 31 30 241 7373
Fax No: ++ 31 30 241 7333



SWITZERLAND – Farnell InOne
Tel No: ++ 41 1 204 64 64
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