

## Polyolefin Heat-Shrink Tubing

### FITCOTUBE® FT300E

Flexible, self-extinguishing, cross-linked polyolefin heat shrink tubing with high shrink ratio (3:1). Insulation and protection of wires, cables, harnesses and connectors with a large difference in diameter. Wide variety of applications. High shrink ratio reduces number of sizes (stock reduction).

<b>Operating temperature:</b>	- 55° C to + 135° C
<b>Shrink temperature:</b>	90° C
<b>Shrink ratio:</b>	3: 1
<b>Standard colors:</b>	Black, white, red, blue, yellow, grey, green-yellow, clear Special colors on request
<b>Specification:</b>	UL File E191514 (expect clear)



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT300E-1,5/0,5**	1,50	0,50	0,45
FT300E-3/1	3,00	1,00	0,55
FT300E-4,8/1,5**	4,80	1,50	0,60
FT300E-6/2	6,00	2,00	0,70
FT300E-9/3	9,00	3,00	0,70
FT300E-12/4	12,00	4,00	0,70
FT300E-18/6	18,00	6,00	0,80
FT300E-24/8	24,00	8,00	1,00
FT300E-40/13	40,00	13,00	1,15

\*\* nonstandard sizes 1,5/0,5 (except black and green-yellow) and 4,8/1,5 (except black)

<b>Packaging:</b>	On spools Cut lengths or printed tubing on request Special sizes on request.
<b>Processing note:</b>	Care for clean and accurate cutting edge. Start shrinkage on the end. Pre-heat metal body.

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Attributes	Testing	Typical Value
<b>Mechanical</b>		
Tensile strength	ASTM D 638	13 N/mm <sup>3</sup>
Elongation at break	ASTM D 638	300 %
Longitudinal change	ASTM D 2671	-10 % to +1 % -10 % to +5 % (clear)
Water absorption	ASTM D 570	0,20 %
Specific gravity	ASTM D 792	1,45
<b>Thermal</b>		
Heat shock (250°C x 4h)	ASTM D 2671	No dripping, cracking or flowing
Heat aging (175°C x 168h)	ASTM D 638	Elongation 200 %
Low temperature flexibility (-55 °C)	ASTM D 2671 C	No cracking
Flammability	UL224	Pass (colors only)
<b>Electrical</b>		
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 <sup>16</sup> ohm/cm
<b>Chemical</b>		
Chemical resistance	AMS-DTL-23053/5	Good
Copper corrosion	ASTM D 2671 B	No corrosion