

Polyolefin heat-shrink tubing

## FITCOTUBE® FT300P/E

Flexible, flame-retardant, flattened, printable, thin-walled heat shrink tubing with high shrink ratio; wide variety of applications. Insulation, marking and protection, mechanical relief of wires, cables, harnesses and connectors with a large difference in diameter.

<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>	Yellow, white (Further colors on request)
<b>Approvals:</b>	UL-File E191514



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT300P/E-2,4/0,8	2,4	0,8	0,53
FT300P/E-3/1	3,2	1,0	0,58
FT300P/E-4/1,5	4,8	1,6	0,58
FT300P/E-6/2	6,4	2,0	0,63
FT300P/E-9/3	9,5	3,0	0,63
FT300P/E-12/4	12,7	4,0	0,68
FT300P/E-19/6	19,1	6,0	0,90
FT300P/E-25/8	25,4	8,0	1,00
FT300P/E-38/12	38,1	12,7	1,10

<b>Packaging:</b>	On spools
<b>Processing note:</b>	Care for clean and accurate cutting edges. Start shrinkage on the end. Pre-heat metal body.

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Attributes	Testing	Value
<b>Print performance</b>		
Adherence test	SAE AS 81531	legible
Fluid resistance	MIL-STD-202G method 245K	legible
Isopropyl Alcohol/Mineral Spirits Blend	10 rubs (X3)	legible
Terpentine Defluxer	10 rubs (X3)	legible
H <sub>2</sub> O/PGME/Monoethanolamine	10 rubs (X3)	legible
<b>Mechanical</b>		
Tensile strength	ASTM D 638	13 M/mm <sup>2</sup>
Elongation at break	ASTM D 638	300%
Longitudinal change	ASTM D 2671	-10% - +1%
Water Absorption	ASTM D 570	0.20 %
Specific gravity	ASTM D 792	1.45
<b>Thermal</b>		
Heat shock 4 hrs at 250°C	ASTM D 2671	no cracking, flowing or dripping
Heat aging 168 hours at 175°C	ASTM D 638	Elongation 200%
Low temp. flexibility at -55°C	ASTM D 2671 C	No cracking
Flammability	UL224	Pass
<b>Electrical</b>		
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 <sup>16</sup> Ω * cm
<b>Chemical</b>		
Chemical resistance	AMS-DTL-23053/5	good
Copper corrosion	ASTM D 2671 B	No corrosion