

Polyolefin heat-shrink tubing

## FITCOTUBE<sup>®</sup> 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.

Operating temperature:	- 55° C to + 135° C
Shrink temperature:	+ 90° C
Shrink ratio:	3:1
Standard colors:	Yellow, white (Further colors on request)
Approvals:	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

Packaging:

### On spools

**Processing note:** 

Care for clean and accurate cutting edges. Start shrinkage on the end. Pre-heat metal body.

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Attributes Test	ing	Value		
Print performance				
Adherence test	SAE AS 81531	legible		
Fluid resistance	MIL-STD-202G method 245K	legible		
Isopropyl Alcohol/Mineral Spirits Blend	10 rubs (X3)	legible		
Terpentene Defluxer	10 rubs (X3)	legible		
H <sub>2</sub> O/PGME/Monoethanolamine	10 rubs (X3)	legible		
Mechanical				
Tensile strength	ASTM D 638	13 M/mm²		
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		
Thermal				
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		

#### Electrical

Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 <sup>16</sup> Ω * cm

### Chemical

Chemical resistance	AMS-DTL-23053/5	good
Copper corrosion	ASTM D 2671 B	No corrosion

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