

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.

Operating temperature:	-55°C to +135°C
Min. shrink temperature:	+90°C
Shrink ratio:	3: 1
Standard colors:	Yellow, white (Further colors on request)
Approvals/Standards:	UL-File E191514, railway normative EN 4545-2 class HL1/HL2



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	0.43 – 0.63
FT300P/E-3/1	3.2	1.0	0.43 – 0.68
FT300P/E-4.8/1.5	4.8	1.6	0.43 – 0.68
FT300P/E-6/2	6.4	2.0	0.56 – 0.71
FT300P/E-9/3	9.5	3.0	0.56 – 0.71
FT300P/E-12/4	12.7	4.0	0.56 – 0.80
FT300P/E-19/6	19.1	6.0	0.80 – 1.00
FT300P/E-25/8	25.4	8.0	0.81 – 1.15
FT300P/E-38/12	38.1	12.7	0.90 – 1.25

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	Testing	Value
Mechanical		
Tensile strength	ASTM D 638	>11 M/mm ²
Elongation at break	ASTM D 638	>300%
Longitudinal change	ASTM D 2671	-10% - +5%
Water Absorption	ASTM D 570	≤0.5%
Specific gravity	ASTM D 792	1.40
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 2671	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 ¹⁴ Ω * cm
Chemical		
Chemical resistance	EN 60684-2-36	good
Copper corrosion	ASTM D 2671 B	No corrosion