

## Specification Sheet

Part Number: 309-20953

Quick and easy shrinking TF21 tubing is widely used for insulating, mechanical protection, strain relief, marking, and bundling. The excellent balance of electrical, mechanical and chemical properties meet and exceed industrial standards.

TF21 is UL-224 listed and available in a wide range of sizes and colors.



Heat Shrink Tubing, Bulk Reel, 2:1 Shrink Ratio, 3/8", 9.5/4.8 Dia, PO, Orange, 164.0 ft/reel

Article Number	309-20953
Type	TF21-9.5/4.8
Color	Orange (OG), High Voltage (HV)
Quantity Per	metre
Product Description	TF21 is a highly flexible thin wall heat shrink tubing with a 2-to-1 shrink ratio and excellent flame retardant properties. In addition to providing insulation and abrasion protection for wires and cables, the polyolefin material also offers resistance to oils, solvents and chemicals. TF21 is UL Recognized with a UL 224 VW-1 flame rating.
Short Description	Heat Shrink Tubing, Bulk Reel, 2:1 Shrink Ratio, 3/8", 9.5/4.8 Dia, PO, Orange, 164.0 ft/reel
Global Part Name	TF21-9.5/4.8-PO-X-OG

Variant	Thin-Wall
Wall Thickness WT (Imperial)	0.025
Wall Thickness WT (Metric)	0.64
Material	Polyolefin, cross-linked (PO-X)
Material Shortcut	PO-X
Flammability	ASTM D876
Halogen Free	No
UV Resistant (Yes/No)	No
Operating Temperature	-67°F to +275°F (-55°C to +135°C)
Reach Compliant (Article 33)	Yes
ROHS Compliant	Yes
Certification/Specification	UL   ANSI/UL 224 JAR/FAR 25.853
UL Recognized (US)	Yes
UL Recognized (US and Canada)	Yes

Package Quantity (Imperial)	164.0
Package Quantity (Metric)	50
Customs Number	3926909988

## About HellermannTyton

HellermannTyton is a global manufacturer of cable management and identification solutions for automotive, solar, electrical, construction, industrial automation, broadband and other OEM markets. The company's integrated approach to product design, sustainability, production, quality assurance and delivery is optimized to benefit local and global customers. HellermannTyton operates in 39 countries, with North American headquarters in Milwaukee, Wisconsin. ([www.hellermann.tyton.com](http://www.hellermann.tyton.com)).