



Military Solutions

Parflex - Fluoropolymer Tubing Products



ENGINEERING YOUR SUCCESS.

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Fluoropolymer Tubing

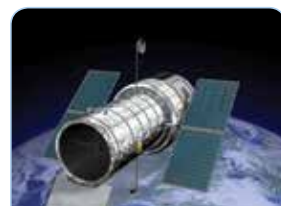
For Military Applications

From the last frontier into the depths of the sea, Parker Hannifin Fluoropolymer Tubing products keep the military moving. Whether its the smallest piece of tubing, a standard heat shrinkable tube or an extra flexible convoluted tube, the fluoropolymer product line delivers virgin tubing certified to Mil-Spec specifications.

Parker is 100% committed to supporting our military and at the Fort Worth facility of Parflex, a division of Parker Hannifin Corporation, fluoropolymer tubing is produced, tested and certified to some of the most rigorous specifications in the industry.

Product Features:

- Meets multiple Mil-Spec Certifications (see following page)
- FDA Compliant
- VW-1 Flammability rating
- Minimal longitudinal growth/shrinkage
- Unlimited shelf life
- Salt water resistant
- Complete Traceability, Lot #, DOM
- Value added services include:
 - Cuffing
 - Custom bellows
 - Custom sizes
 - Cut to length tubing
 - Drilled tubing
 - Etched PTFE
 - Formed tubing for quick installation
- Jacketing
- Tube flanging
- Tube flaring
- Tube forming
- Tube slitting
- Wire reinforcement of convoluted tubing

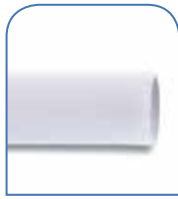




Tubing Features

- PTFE Tubing - Temperature Range - up to 500°F
Lowest coefficient of friction
- FEP Tubing - Temperature Range - up to 400°F
Exceptional clarity, long continuous lengths
- ETFE Tubing - Temperature Range - up to 302°F
Increased abrasion resistance

Applications


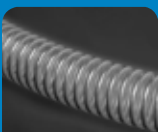
- Bundling
- Harnesses
- Electrical Insulation
- Robotics
- Split Loom
- Track Lighting Protection
- Beverage Lines



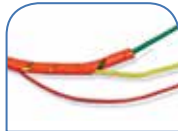
| Typical Image | Specification | Material | Product Description & Sizes |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------|-------------------------------------------------------------------------------------------------------|
|  <p>Heatshrink</p>  | AMS-DTL-23053/11A, Class 1 | FEP | 1.3/1 Heat Shrink, HS1.3FEP Sizes 3/8" to 1-1/2"; AWG 24 - AWG 0 |
| | AMS-DTL-23053/11A, Class 2 | FEP | 1.67/1 Heat Shrink, HS1.6FEP Sizes 3/32" to 2" |
| | AMS-DTL-23053/12A, Class 1 | PTFE | 2:1 Heat Shrink - Industrial Wall, HS2TFI Sizes 1/8" to 1" |
| | AMS-DTL-23053/12A, Class 2 AMS 3586 | PTFE | 2:1 Heat Shrink - Fractional & Spaghetti, Standard Wall, HS2TFS Sizes 1/8" to 1"; AWG 24 - AWG 0 |
| | AMS-DTL-23053/12A, Class 3 AMS 3585 | PTFE | 2:1 Heat Shrink - Fractional and Spaghetti, Thin Wall, HS2TFT Sizes 1/8" to 1"; AWG 30 - AWG 0 |
| | AMS-DTL-23053/12A, Class 4 | PTFE | 2:1 Heat Shrink - Fractional and Spaghetti, Light Wall, HS2TFL Sizes 1/8" to 5/16"; AWG 24 - AWG 0 |
| | AMS-DTL-23053/12A, Class 5 AMS 3584A | PTFE | 4:1 Heat Shrink, HS4TF Sizes 5/64" to 1-1/4" |



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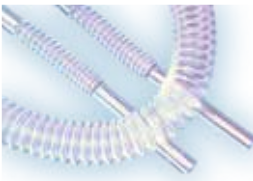
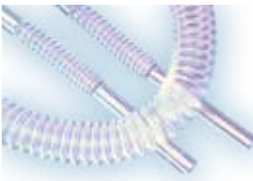
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------|--------------------------------------------------------------------------------------|
|  <p>Convoluted</p>  | AMS-T-81914/1 | PTFE | Convoluted, Standard Convolution, 81914/1 Sizes 3/16" to 2" I.D. Natural or Black |
| | AMS-T-81914/2 | PTFE | Convoluted, Close Convolution, 81914/2 Sizes 3/16" to 2" I.D. Natural or Black |
| | AMS-T-81914/3 | FEP | Convoluted, Standard Convolution, 81914/3 Sizes 3/16" to 2" I.D. Natural |
| | AMS-T-81914/4 | FEP | Convoluted, Close Convolution, 81914/4 Sizes 3/16" to 2" I.D. Natural |
| | AMS-T-81914/5 | ETFE | Convoluted, Close Convolution, 81914/5 Sizes 3/16" to 2" I.D. Natural |
| | AMS-T-81914/6 | ETFE | Convoluted, Standard Convolution, 81914/6 Sizes 3/16" to 2" I.D.; Natural |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------|-----------------------------------------------------------------------------------------------|
|  <p>Smoothbore</p>  | AMS 3653E | PTFE | All PTFE products |
| | MIL-DTL-27267C | PTFE | PTFE Conductive Tubing Sizes 1/4" to 4" O.D. ; AWG 32 - AWG 0 |
| | AMS 3655B | PTFE | PTFE Thin Wall Fractional & Spaghetti Tubing, TFT Sizes 1/8" to 3/4" I.D. ; AWG 32 - AWG 0 |
| | MIL-I-22129C AMS 3653E | PTFE | PTFE Standard Wall Tubing, TFS Sizes 1/8" to 1" I.D.; AWG 30 - AWG 0 |

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|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| <p>Corrugated</p>  | FEP | ASTM D3296-03 |
| |  | |
| | Sizes 1/4" to 2-1/2" I.D. | |

[Visit the webpage](#)

For technical information on these products, download Catalog 4150-55 at www.parker.com/pfd and choose the literature tab

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