

NEW! FIT®-CLEAR



Preferred
Heat Shrink
Products

**Simple, Comprehensive
Tubing Solutions**

INTRODUCING...

FIT-CLEAR 2 TO 1 SHRINK RATIO

**A CRYSTAL CLEAR HEAT SHRINKABLE
TUBING PRODUCT THAT IS ALSO
HIGHLY FLAME RETARDANT!**

New **FIT-CLEAR** is a unique addition to Alpha Wire Company's line of **FIT** Preferred Heat Shrink Products. **FIT-CLEAR** is a modified polyvinylidene fluoride (PVDF) based, clear heat shrinkable tubing alternative offering a low shrink temperature of 150°C and UL VW-1 flame retardancy.

FIT-CLEAR has numerous advantages over other transparent heat shrink tubing products. PVDF allows **FIT-CLEAR** to remain crystal clear after application. Information beneath applied tubing remains easily legible. An excellent alternative to standard Kynar®** or Teflon®*** heat shrinkable tubing products, this modified PVDF-based product is resistant to mechanical abrasion and cut-through as well as most chemicals including solvents. In addition, **FIT-CLEAR**'s lower recovery temperature saves valuable installation time and protects the underlying substrate from excessive heating.

Since most alternative clear heat shrinkable tubing is flammable, **FIT-CLEAR** is ideal in applications where flame retardancy is critical. **FIT-CLEAR** meets UL Standard 224, passes the UL VW-1 Flame Test and meets or exceeds the requirements of SAE-AMS-DTL-23053/18, Class 1. **FIT-CLEAR** is put up on spools in a variety of sizes ranging from 3/64" to 2" and is RoHS compliant. **FIT-CLEAR**, like all **FIT** Preferred Heat Shrink Products, is available from stock for immediate delivery.



**Kynar® is a registered trademark of ELF Atochem North America, Inc.

***Teflon® is a registered trademark of E.I. DuPont Co.



FOR ADDITIONAL INFORMATION ON ANY **FIT Preferred Heat Shrink Product,
VISIT www.alphawire.com**



CLEAR, HIGHLY FLAME RETARDANT POLYVINYLDENE FLUORIDE, 2 TO 1 SHRINK RATIO HEAT SHRINKABLE TUBING

CHOOSE **FIT®-CLEAR** For:

- Where Visual Inspection And Identification Are Required
- Excellent Flame Retardancy
- Excellent Heat Resistance
- Faster Recovery Time Than Standard Kynar®* And Teflon®**
- Lower Recovery Temperature (150°C) Than Standard PVDF
- Excellent Chemical Resistance
- Mechanical Abrasion And Cut-Through Resistance
- For Use With **XTRA-GUARD® 4** and **XTRA-GUARD® 5**

FIT®-CLEAR APPLICATIONS:

- Visual Inspection And Identification Applications
- Automotive Wiring, Jackets And Fuse Covering Applications
- Jacketing For Resistors, Capacitors And Other Components
- High Temperature Environments
- Protection In Caustic Environments
- Protection In Chemical Environments
- Wiremakers
- Wire Insulation And Component Stress Relief
- Replacement Of Non-flame Retarded Clear Sleeving
- For Use With **XTRA-GUARD® 4** and **XTRA-GUARD® 5** Applications

CHARACTERISTICS

OPERATING TEMPERATURE:

- -55°C to +175°C, Continuous (UL: 150°C)

SHRINKAGE RATIO:

- Approximately 2 to 1 at 150°C

COLOR DESCRIPTION:

- All Standard Packages: Clear

PHYSICAL PROPERTIES:

- Tensile Strength: 3500 psi, (246 kg/cm²) Min.
- Ultimate Elongation: 200%, Min.
- Longitudinal Shrinkage: 10%, Max.
- Specific Gravity: 2.00, Max.
- Flammability: Self-Extinguishing (UL: VW-1)

CHEMICAL PROPERTIES:

- Corrosive Effect: None
- Water Absorption: 0.5%, Max.
- Chemical Resistance: Solvents, JP-4, Oxidants, Strong Acids and Bases

ELECTRICAL PROPERTIES:

- Dielectric Strength: 400V / mil (157 kV / cm), Min.
- Volume Resistivity: 1.0 x 10¹¹ ohm-cm, Min.



Recognized
Component
Underwriters Laboratories Inc.



Passes
UL VW-1 Flame Test
Underwriters Laboratories Inc.



RoHS
Compliant

SPECIFICATIONS:

SAE-AMS-DTL-23053/18, Class 1, UL Standard 224, Passes UL VW-1 Flame Test

Alpha Part No. and Size	Minimum Supplied I.D. Inches	Maximum Recovered I.D. Inches	Nominal Recovered Wall Thickness Inches	Standard Package Spools Total Ft.g.
FIT®-CLEAR-3/64	0.046	1,2	0.023	0,25
FIT®-CLEAR-1/16	0.063	1,6	0.031	0,25
FIT®-CLEAR-3/32	0.093	2,4	0.046	0,25
FIT®-CLEAR-1/8	0.125	3,2	0.062	0,25
FIT®-CLEAR-3/16	0.187	4,8	0.093	0,25
FIT®-CLEAR-1/4	0.250	6,4	0.125	0,30
FIT®-CLEAR-3/8	0.375	9,5	0.187	0,30
FIT®-CLEAR-1/2	0.500	12,7	0.250	0,30
FIT®-CLEAR-3/4	0.750	19,1	0.375	0,43
FIT®-CLEAR-1	1.000	25,4	0.500	0,48
FIT®-CLEAR-1-1/2	1.500	38,1	0.750	0,51
FIT®-CLEAR-2	2.000	50,8	1.000	0,51



NORTH AMERICA AND INTERNATIONAL
Alpha Wire Company

EUROPE
Alpha Wire International