FIT® Preferred Heat Shrink Products

GENERAL PURPOSE, IRRADIATED POLYOLEFIN
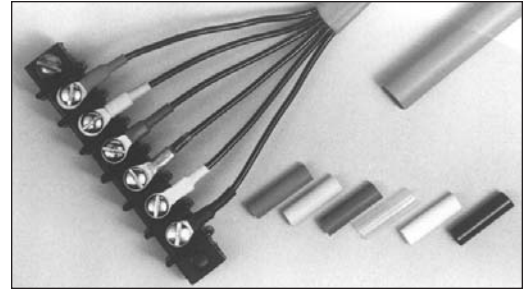
FIT®-221

CHOOSE FIT®-221 FOR:

- General Purpose Protection and Repair
- Identification and Beautifying Substrates
- Insulation from Environment
- Reduced Longitudinal Shrinkage
- Resistance to Water, Fungus, UV Light (black only)
- Use with XTRA•GUARD® 1

FIT®-221 APPLICATIONS:

- General Purpose Insulation and Repair
- Wire and Cable Harnessing and Bundling
- Cable and Connector Protection
- Wire and Tubing Splicing and Connecting
- XTRA•GUARD® 1 Applications
- Automated Cutting Machines (spools)

CHARACTERISTICS

OPERATING TEMPERATURE:
- −55°C to 135°C

SHRINKAGE RATIO:
- Approximately 2 to 1 at 121°C

COLOR DESCRIPTION:
- 4-Foot Lengths:
  3/64 to 2 Inch — Black, White, Clear, Red, Yellow, Blue, Green
  3 and 4 Inch — Black, Clear
- 6-Inch Lengths:
  3/64 to 1 Inch — Black, White, Clear, Red, Yellow, Blue, Green
  1-1/2 to 3 Inch — Black, Clear
- 1/2 or 1 Inch Cut Pieces: Black
- Spools: See Color Availability Chart Next Page

PHYSICAL PROPERTIES:
- Tensile Strength: 1500 psi, (106 kg/cm^2)
- Ultimate Elongation: 200%
- Longitudinal Shrinkage: −5%
- Specific Gravity: 1.35
- Secant Modulus: 2.5 x 10^4 max.
- Flammability: Self-Extinguishing

CHEMICAL PROPERTIES:
- Corrosive Effect: Passes Copper Stability Test
- Fungus Resistance: No Growth

ELECTRICAL PROPERTIES:
- Dielectric Strength: 500V/mil (197 kV/cm)
- Volume Resistivity: 10^{14} ohm-cm

SPECIFICATIONS

- MIL-DTL-23053/5C, Class 1, 2
- UL Standard 224 (except for Clear)
- CSA Standard 198 (except for Clear)
- RoHS Compliant

UL Recognized Component — Underwriters Laboratories Inc.
CSA Certified — Canadian Standards Association
RoHS Compliant

2 TO 1 SHRINK RATIO

Packaged Assortments
Assorted Sizes of 6" Lengths
Each Length — Size Identified
Assorted Colors

Alpha Part No.	Tubing Size Range	Lengths Per Box
FIT-221-MS-1	3/64" – 3/16" (5 Sizes)	6 per Size (30 Lengths)
FIT-221-MS-2	1/4" – 3/4" (4 Sizes)	4 per Size (16 Lengths)

Recommended For Use With
XTRA•GUARD® 1
Extra-Premium Grade PVC Jacketed
General Purpose Cables