FIT® Preferred Heat Shrink Products

GENERAL PURPOSE, IRRADIATED POLYOLEFIN

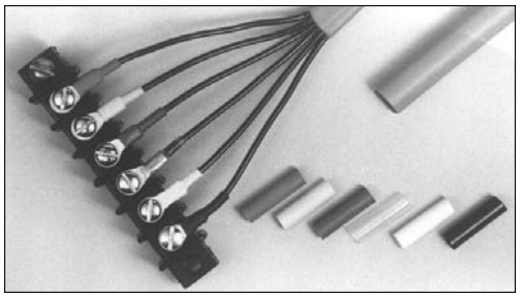
FIT®-221

MIL-DTL-23053/5C,
CLASS 1, 2
UL STANDARD 224
CSA STANDARD 198
RoHS COMPLIANT

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**

2 TO 1 SHRINK RATIO



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)

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)

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

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

SPECIFICATIONS

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

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

alpha

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CLASS 1, 2
UL STANDARD 224
CSA STANDARD 198
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FIT®-221

Alpha Part No. And Size	Minimum Supplied I.D. Inches	Minimum Supplied I.D. mm	Maximum Recovered I.D. Inches	Maximum Recovered I.D. mm	Nom. Recovered Wall Thickness Inches	Nom. Recovered Wall Thickness mm	Standard Packages 4 Ft. Lengths Total Ftg.	Spools Tot. Ftg.	Spools Tot. Ftg.	Spools Tot. Ftg.	No. Cut Pieces 6 Inch	No. Cut Pieces 1/2" or 1"
FIT-221-3/64	0.046	1,17	0.023	0,58	0.016	0,41	100	1000			40	1000
FIT-221-1/16	0.063	1,60	0.031	0,78	0.017	0,43	100	1000	100	70	36	1000
FIT-221-3/32	0.093	2,36	0.046	1,17	0.020	0,50	100	500	100	65	32	1000
FIT-221-1/8	0.125	3,18	0.062	1,58	0.020	0,50	100	500	100	60	28	1000
FIT-221-3/16	0.187	4,75	0.093	2,36	0.020	0,50	100	500	100	50	24	1000
FIT-221-1/4	0.250	6,35	0.125	3,18	0.025	0,63	100	250	100	40	20	1000
FIT-221-3/8	0.375	9,53	0.187	4,75	0.025	0,63	100	200	50	35	16	1000
FIT-221-1/2	0.500	12,70	0.250	6,35	0.025	0,63	20	150	50	32	14	–
FIT-221-3/4	0.750	19,10	0.375	9,53	0.030	0,76	20	250	50	24	12	–
FIT-221-1	1.000	25,40	0.500	12,70	0.035	0,88	20	250	50	16	8	–
FIT-221-1-1/2	1.500	38,10	0.750	19,10	0.040	1,02	20	125	–	–	5	–
FIT-221-2	2.000	50,80	1.000	25,40	0.045	1,16	20	125	–	–	3	–
FIT-221-3	3.000	76,20	1.500	38,10	0.050	1,27	8	100	–	–	2	–
FIT-221-4	4.000	101,60	2.000	50,80	0.055	1,40	8	50	–	–	1	–

SPOOL COLOR AVAILABILITY CHART

FIT-221 Tubing Size	Put-Up	Colors
3/64"	1000'	Black, Clear
1/16"	1000'	All Colors*
	100'	Black, Clear
	70'	All Colors
3/32"	500'	All Colors
	100'	Black, Clear
	65'	All Colors
1/8"	500'	All Colors
	100'	Black, Clear
	60'	All Colors
3/16"	500'	All Colors
	100'	Black, Clear
	50'	All Colors
1/4"	250'	All Colors
	100'	Black, Clear
	40'	All Colors

FIT-221 Tubing Size	Put-Up	Colors
3/8"	200'	All Colors
	50'	Black, Clear
	35'	All Colors
1/2"	150'	All Colors
	50'	Black, Clear
	32'	All Colors
3/4"	250'	All Colors
	50'	Black, Clear
	24"	All Colors
1"	250"	All Colors
	50"	Black, Clear
	16"	All Colors
1-1/2"	125'	Black, Clear
2"	125'	Black, Clear
3"	100'	Black, Clear
4"	50'	Black, Clear

*All colors include black, white, clear, red, yellow, blue, green

alpha

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Alpha Wire:

6710 BL001 F221V1/8 BK103 F60011/2 BK008 PF2001 NA005 2842/19 SL005 2842/7 BL005 3050 BR001 3252 YL005 5854/7 YL001 5855 OR005 1853 YL005 6822 WH001 7013 WH001 F3001/2 BK056 1232 SV001 6715 YL005 7130 BK005 3051 SL001 6300/3 SL005 F2213/8 GR065 1855 WO005 1858/19 BR005 3075 VI005 3252 VI005 782401 VI005 3081 GR005 461816 WH005 5852 BL001 6822 BK005 1855 BK001