SUMITUBE ® F2(Z)

FLEXIBLE POLYOLEFIN, 2:1 SHRINK RATIO, PBDE-FREE

PRODUCT FEATURES;

- UL / CSA RECOGNIZED 125 °C AND 600 V (VW-1); UL SUBJECT 224 AS UL VW-1; CSA AT 125 °C
- ROHS / ROHS2 COMPLIANT; PBDE & PBB-FREE
- VERY FLEXIBLE, LOW RECOVERY TEMPERATURE, FLAME-RETARDED HEAT-SHRINKABLE POLYOLEFIN TUBING
- LOW RECOVERY TEMPERATURE: MORE RAPID INSTALLATION, WITH LESS POTENTIAL DAMAGE TO HEAT SENSITIVE COMPONENT INSULATION SYSTEMS
- DIRECT REPLACEMENT FOR SUMITUBE F2
- SHRINK TEMPERATURE : 90 °C
- OPERATING TEMPERATURE RANGE: -55 °C TO +125 °C.

BASIC PROPERTIES

- MATERIAL : FLEXIBLE POLYOLEFIN
- SHRINK RATIO : 2:1
- COLOR : BLACK, WHITE, RED, YELLOW (OTHER COLORS SUBJECT TO FACTORY ACCEPTANCE AND QUOTE)
- APPLICATIONS : GENERAL PURPOSE APPLICATIONS SUCH AS INSULATING, COLOR CODING, BUNDLING AND LIGHT HARNESS JACKETING WHERE UL OR CSA RECOGNITION AS VW-1 RATED MATERIAL IS DESIRABLE
- PACKAGING : SPOOLED (S) OR 4 FOOT LENGTHS (4'); METRIC SIZES ALSO AVAILABLE PER FACTORY QUOTE

PROPERTIES :

NOMINALSIZE	As Supplied		After Recovery			
	Inside Diameter As Supplied(Minimum)		Inside Diameter After Recovery(Maximum)		Wall Thickness After Recovery(Nominal)	
	Inch	(MM)	Inch	(MM)	Inch	(MM)
3/64	.046	1.2	.023	0.6	.016	0.40
1/16	.063	1.6	.031	0.8	.017	0.43
3/32	.093	2.4	.046	1.2	.020	0.51
1/8	.125	3.2	.062	1.6	.020	0.51
3/16	.187	4.8	.093	2.4	.020	0.51
1/4	.250	6.4	.125	3.2	.025	0.64
3/8	.375	9.5	.187	4.8	.025	0.64
1/2	.500	12.7	.250	6.4	.025	0.64
3/4	.750	19.1	.375	9.5	.030	0.76
1	1.000	25.4	.500	12.7	.035	0.89
1 1/2	1.500	38.1	.750	19.1	.040	1.02
2	2.000	50.8	1.000	25.4	.045	1.14
3	3.000	76.2	1.500	38.1	.050	1.27
4	4.000	101.6	2.000	50.8	.055	1.40

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PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1500 min.	UL 224
	Elongation (%)	200 min.	UL 224
	Specific gravity	1.35 max.	ASTM D792
	Low temperature flex (-55 °C)	No cracking	AS23053
	Heat resistance (158 °C, 168 hrs.): Elongation (%)	100 min.	UL 224
	Secant modulus (psi)	25000 min.	ASTM D882
	Deformation (125 °C, 1 hr.) (%)	50 max.	UL 224
	Longitudinal change (%)	+5	AS23053
ELECTRICAL	Dielectric withstand (volts)	2500 min.	UL 224
	Volume resistivity (ohm-cm)	1.0×10^{14} min.	UL 224
CHEMICAL	Corrosion	No corrosion	UL 224
	Copper stability (158 °C, 168 hrs.): Elongation (%)	100 min.	UL 224
	Water absorption (%)	0.5 max.	ASTM D570
	Flammability	Pass	UL 224 VW-1
	Shrink temperature, nominal	90 °C	---

Specification reference: UL 224, 125 °C, 600V, VW-1
File E48762 YDPU2
CSA-C22.2 No. 198-M1986, 125 °C, 600V
File LR33298
Marking: SUMITUBE F2(Z) is surface printed with recognized UL / CSA markings.

ORDERING INFORMATION

COLOR	BLACK, WHITE, RED, YELLOW (OTHER COLORS SUBJECT TO FACTORY ACCEPTANCE AND QUOTE)			
PACKAGING	SPOOLED (S) OR 4 FOOT LENGTHS (4'). NOTE: METRIC SIZES ALSO AVAILABLE PER FACTORY QUOTE.			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	F2(Z)	1/4	Black	S

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

915 ARMORLITE DR. SAN MARCOS, CA 92069

760-761-0600 **info@SEIPUSA.COM**

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2026/10