

# SUMITUBE® B2 (Y/G) 2:1

UL & CSA

## SPECIAL YELLOW GREEN STRIPED TUBING 2 : 1 Shrink



RoHS Compliant

### TYPICAL FEATURES

- 1) SUMITUBE B2 (Y/G) 2:1 is a very flexible, flame retarded, heat shrinkable polyolefin tubing which has a unique yellow/green striped color (color ratio; Yellow/Green = 35/65)
- 2) Shrink temperature is 90°C.
- 3) Operating temperature range is -55°C to +135°C and up to 200°C for short time durations.
- 4) Recommended for special purpose applications such as wire marking, color coding, electrical insulation of wire harness assemblies, where the international electrical ground designation is intended.

### STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
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

**Standard Package:** 4 foot lengths (4')

**How to Order:** (Type of material) (Size) (Color) (Packaging)

**Example:** B2 1/4 Y/G 4'

## B2(Y/G) 2:1 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Specific gravity Low temperature flex (-55° C) Heat shock (250° C, 4 hrs.) Heat resistance (175° C, 168 hrs.) Elongation (%) Secant modulus (psi) Longitudinal change (%)	ASTM D638 ASTM D638 ASTM D792 AMS-DTL-23053 AMS-DTL-23053  ASTM D638 ASTM D882 AMS-DTL-23053	1500 min. 200 min. 1.35 max. no cracking no cracking  100 min. 2.5 X 10 <sup>4</sup> max. ±5
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1.0 X 10 <sup>14</sup> min.
<b>Chemical:</b> Corrosion (175° C, 16 hrs.) Water absorption (%) Fluid resistance (23° C, 24 hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	AMS-DTL-23053 ASTM D570  AMS-DTL-23053 UL 224 VW-1	no corrosion 0.5 max.  1000 min. pass 90° C

**Specification references:** UL 224 125° C, 600 V, VW-1 File E48762 YDPU2  
 CSA C22.2 No. 198.1-98


**SUMITOMO ELECTRIC**  
**INTERCONNECT PRODUCTS INC.**  
[www.seipusa.com](http://www.seipusa.com)

915 Armorlite Drive  
 San Marcos, CA 92069

Telephone: (800) 758-3515  
 FAX: (800) 758-3517

Rev. 7/1/05