

HILEC 547R SUPERSTRETCH

EXPANDABLE SILICONE RUBBER COATED FIBERGLASS SLEEVING

THERMAL CLASS: 200°C
NEMA TF-1, Type 5

MIL-I-3190/6 (grade A)
UL FILE E123956 (grade A)

DESCRIPTION

547R SUPERSTRETCH is comprised of a two-component liquid silicone rubber continuously applied to expandable fiberglass braid. This construction allows the sleeving to be expanded to over twice its relaxed diameter. **547R SUPERSTRETCH** provides superior expandability while retaining excellent physical and electrical properties over a wide range of temperatures (-55°C to +200°C).

RECOMMENDED USE

547 SUPERSTRETCH is recommended for sleeving applications that require a snug fit over irregular shapes. It has the capability to provide a "heat shrink"-like fit while still exhibiting flexibility, abrasion resistance, moisture resistance, cut-through resistance and chemical resistance.

PHYSICAL PROPERTIES (coating)

Hardness	30 durometer, shore A	Resistance to:	
Tensile Strength	>1000 psi	Ozone	Excellent
Elongation	>600 %	Corona	Excellent
100% Modulus	300 psi	Radiation	Excellent
Tear strength	150 ppi	Sunlight	Excellent
Compression set	>8.0% (22 hrs @ 177°C)	Fungus	Excellent

DIELECTRIC GRADE	PRODUCT NUMBER	MIN. AVE. BREAKDOWN	MIN. INDIV.
A	547RSS	8000	6000

AVAILABILITY

- **SIZES:** **547R SUPERSTRETCH** is available in continuous spooled lengths or cut lengths in 8 various sizes designed to cover NEMA #13 through 1" I.D. (see reverse).
- **COLORS:** **547R SUPERSTRETCH** is available in black and white. Other colors may be available subject to minimum quantities and/or set-up charges.

The above data is informational only and should not be used for specification purposes. 11/01

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Size Charts

STOCK OR CUSTOM. ALWAYS QUALITY, QUICK AND COMPETITIVE

Since 1982, Hilec has been a familiar name in electrical insulation, providing premium grade sleeving for industry, in both stock and custom configurations. In every phase of our operations, design to manufacturing to sales support, our highest priority is always QUALITY. For quickest turnaround and your J-I-T needs, the full line of Hilec products is heavily stocked at both our factory and our distributor network. Be sure to give us a call on any special sizes, walls, colors, or chemistry. We're always ready to give you fast production response, and you'll find that we are especially competitive in both service and price.



FIBERGLASS SLEEVING DIMENSIONS				
AWG	MM	I.D. NOM	I.D. MAX	I.D. MIN
	0.5	.020	.024	.018
24		.022	.027	.020
22		.027	.032	.025
20		.034	.039	.032
	1.0	.039	.047	.035
18		.042	.049	.040
16		.053	.061	.051
	1.5	.059	.067	.055
15		.059	.066	.057
14		.066	.072	.064
13		.076	.082	.072
	2	.079	.091	.073
12		.085	.089	.081
11		.095	.101	.091
	2.5	.098	.110	.093
10		.106	.112	.102
	3	.118	.130	.112
9		.118	.124	.114
8		.133	.141	.129
	3.5	.138	.149	.132
7		.148	.158	.144
	4	.157	.169	.152
6		.166	.178	.162
	4.5	.177	.189	.171
5		.186	.198	.182
	5	.197	.217	.177
4		.208	.224	.204
3		.234	.249	.229
	6	.236	.256	.217
2		.263	.278	.258
	7	.276	.295	.256
1		.294	.311	.289
	8	.315	.335	.295
5/16		.323	.334	.313
0		.330	.347	.325
	9	.354	.370	.335
3/8		.387	.399	.375
	10	.394	.411	.370
7/16		.450	.462	.438
	12	.472	.532	.453
1/2		.512	.524	.500
	14	.551	.610	.531
9/16		.574	.585	.563
	16	.630	.689	.610
5/8		.640	.655	.625
	18	.709	.768	.669
3/4		.768	.786	.750
7/8		.893	.911	.875
1"		1.018	1.036	1.000

Dielectric Strength		
Nema Grade	Min Average	Min Individual
A	7000	5000
B	4000	2500
C1	2500	1500
C2	1500	800
C3	No dielectric value guaranteed	