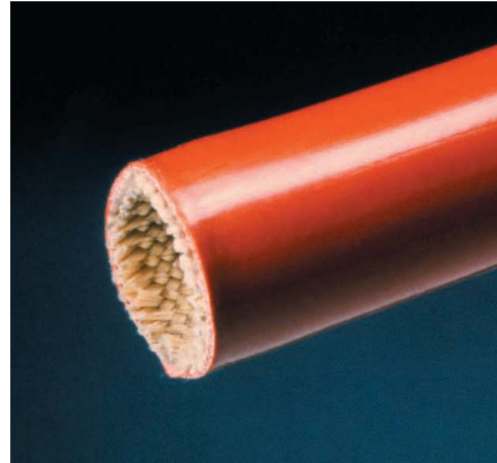


## Ben-Har 1151-FR Grade A, silicone rubber coated fiberglass tube

Bentley-Harris® Ben-Har 1151-FR sleeving is an extremely flexible silicone rubber coated fiberglass sleeving with outstanding flame retardant properties. It is a UL recognized component, meeting VW-1 flammability requirements, recommended for Class H (200°C) systems. The special combination of a smooth fiberglass bore and flexible, elastomeric silicone coating allows this sleeving to expand and conform over larger dimensions, assuring a snug fit, permanent placement, and elastic self-fitting on components or terminals. The excellent bond of rubber coating to the braid insures against damage from rough assembly handling.



Ben-Har 1151-FR is resistant to acids, alkalis, organic solvents, and aliphatic hydrocarbons. Slight swelling is produced by aromatic solvents and chlorinated hydrocarbons. Ketones and esters may cause deterioration. Ben-Har 1151-FR is compatible with common Class H insulating varnishes. Ben-Har 1151-FR is commonly used in appliance assemblies, wire harnesses, transformer leads, power supplies, and motor coil and heater leads. This product can be obtained in colours for identification and appearance.

### Product facts

- Grade A (7 KV)
- VW-1 up to sizes 2"
- CSA File #LR58703
- MIL-I-3190/6 QPL
- NEMA 5
- Applicable documents : ASTM-D-350, ASTM-D-372, UL 1441, NEMA TF-1
- Excellent low temperature flexibility

#### Temperature

Operating range                      -70°C bis +200°C

Property	Result
Hardness, durometer A	35 +/- 5
Tensile strength	875 psi
Elongation	500%
Tear resistance, die B	70 p pi
Tensile modulus at 100% elongation	150 psi
Dielectric constant (100 Hz - 100 kHz)	3.10
Dissipation factor (100 Hz)	0.00320
Dissipation factor (10,000 Hz)	0.00016
Volume resistivity	2.48 x 10 <sup>14</sup> ohm-cm
Dielectric strength	485 volts / mil

## Wärmeschrumpftechnik

### Dimensions in mm

Part Number	Inside diameter		Size	Diameter tolerance	Packing unit
	Inch	mm			
32001924xxS	0.022	0.56	24	+/- 0.15	150
32001922xxS	0.027	0.69	22	+/- 0.15	150
32001920xxS	0.034	0.86	20	+/- 0.15	150
32001918xxS	0.042	1.07	18	+/- 0.20	150
32001916xxS	0.053	1.35	16	+/- 0.20	150
32001914xxS	0.066	1.68	14	+/- 0.20	150
32001912xxS	0.085	2.16	12	+/- 0.20	75
32001910xxS	0.106	2.69	10	+/- 0.20	75
32001909xxS	0.118	3.00	9	+/- 0.20	75
32001908xxS	0.133	3.38	8	+/- 0.20	75
32001907xxS	0.148	3.76	7	+/- 0.30	75
32001906xxS	0.166	4.22	6	+/- 0.30	38
32001905xxS	0.186	4.72	5	+/- 0.30	38
32001904xxS	0.208	5.28	4	+/- 0.40	38
32001903xxS	0.234	5.94	3	+/- 0.40	38
32001902xxS	0.263	6.68	2	+/- 0.40	15
32001901xxS	0.294	7.47	1	+/- 0.40	15
32001900xxS	0.330	8.38	0	+/- 0.40	15
32001010xxS	0.375	9.52	3/8"	+/- 0.60	15
32001011xxS	0.438	11.12	7/16"	+/- 0.60	15
32001013xxS	0.500	12.70	1/2"	+/- 0.60	15
32001016xxS	0.625	15.87	5/8"	+/- 0.90	15
32001019xxS	0.750	19.05	3/4"	+/- 0.90	15
32001022xxS	0.875	22.22	7/8"	+/- 0.90	15
32001025xxS	1.000	25.40	1"	+/- 0.90	15
32001032xxS	1.250	31.75	1 1/4"		15
32001038xxS	1.500	38.10	1 1/2"		15
32001051xxS	2.000	50.80	2"		15
32001064xxS	2.500	63.50	2 1/2"		15
32001076xxS	3.000	76.20	3"		15

Colour	White	Black	Red-Brown (Standard)
Ordering code	02	03	14

Federal Mogul / Tenneco / Bentley Harris