

Very High Temperature Fiberglass Braided Sleeve: *Precision Small Diameter*

S-Glass Precision Small Diameter / Thin Wall: Plain or Heat Treated

S-Glass Precision Small Diameter / Thin Wall: Heat Treated with Binders

E-Glass Precision Small Diameter / Heavy Wall: Heat Treated or Heat Treated with Binders



Left: Standard Wall Thickness
Right: 1/32" Heavy Wall Thickness



Standard Wall Thickness
Heat Treated with Binders

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.
Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent.

This is a high-strength, high-temperature fibreglass sleeve produced from either S-Glass or E-Glass. S-Glass, which in addition to enhanced dielectric and mechanical properties, provides thermal protection beyond the limits of conventional E-glass fibers. S-Glass is free of boron and will not decompose to form gaseous products with nuclear radiation exposure. Also available heat treated; with Acrylic resin or Oleoresinous binder. Both heat treated and with binders reduces fray and makes cutting easier.

The braiding is tight and dense, providing excellent coverage over small wires, cables, hoses, tubes and pipes.

S-Glass Properties:

Specific Gravity g/cm³: 2.48 – 2.49

Elongation at break, %: 5.3 – 5.7

Tensile strength, psi @22°C: 650,000 – 700,000

Water absorbency @22°C, 65% R.H.: None

Good resistance to most acids and alkalis

Unaffected by bleaches and solvents

Excellent resistance to sunlight and aging. Not attacked by Mildew.

Provides space factor electrical insulation of approximately 1375V for thin wall but no dielectric guarantee provided.

Conforms to NEMA TF-2. Fibers conform to MIL-R-60346. Type IV, Class 1.

Very High Temperature Fiberglass Braided Sleeve S-Glass Precision Small Diameter / Thin Wall (1/92" - .011") : Plain or Heat Treated								
Part Number	Nominal Size				Inside Diameter		Price per Foot Plain / Heat Treated	Feet per Coil
	AWG / inch / mm / -dash				Min / Max inches			
AB-SBS-AWG24-X	24	0.022	0.56	NA	0.020	0.027	\$ 0.38 / \$ 0.46	500'
AB-SBS-AWG22-X	22	0.027	0.69	NA	0.025	0.032	\$ 0.41 / \$ 0.48	500'
AB-SBS-AWG20-X	20	0.034	0.86	NA	0.032	0.039	\$ 0.42 / \$ 0.50	500'
AB-SBS-AWG19-X	19	0.038	0.96	NA	0.036	0.044	\$ 0.44 / \$ 0.51	500'
AB-SBS-AWG18-X	18	0.042	1.07	NA	0.040	0.049	\$ 0.47 / \$ 0.55	500'
AB-SBS-AWG17-X	17	0.047	1.19	NA	0.045	0.054	\$ 0.50 / \$ 0.59	500'
AB-SBS-AWG16-X	16	0.053	1.35	NA	0.051	0.061	\$ 0.57 / \$ 0.67	500'
AB-SBS-AWG15-X	15	0.059	1.50	NA	0.057	0.067	\$ 0.64 / \$ 0.76	500'
AB-SBS-AWG14-X	14	0.066	1.68	-01	0.064	0.074	\$ 0.71 / \$ 0.83	500'
AB-SBS-AWG13-X	13	0.076	1.93	NA	0.072	0.082	\$ 0.79 / \$ 0.92	250'
AB-SBS-AWG12-X	12	0.085	2.16	NA	0.081	0.091	\$ 0.85 / \$ 1.01	250'
AB-SBS-AWG11-X	11	0.095	2.41	NA	0.091	0.101	\$ 0.92 / \$ 1.09	250'
AB-SBS-AWG10-X	10	0.106	2.69	NA	0.102	0.112	\$ 0.97 / \$ 1.15	250'
AB-SBS-AWG9-X	9	0.118	3.10	NA	0.114	0.124	\$ 1.07 / \$ 1.26	250'
AB-SBS-AWG8-X	8	0.133	3.38	-02	0.129	0.141	\$ 1.16 / \$ 1.38	250'
AB-SBS-AWG7-X	7	0.148	3.76	NA	0.144	0.158	\$ 1.24 / \$ 1.48	250'
AB-SBS-AWG6-X	6	0.166	4.22	NA	0.162	0.178	\$ 1.34 / \$ 1.57	150'
AB-SBS-AWG5-X	5	0.186	4.72	-03	0.182	0.198	\$ 1.46 / \$ 1.74	150'
AB-SBS-AWG4-X	4	0.208	5.28	NA	0.204	0.224	\$ 1.61 / \$ 1.91	150'
AB-SBS-AWG3-X	3	0.234	5.94	NA	0.229	0.249	\$ 1.83 / \$ 2.16	150'
AB-SBS-AWG2-X	2	0.263	6.68	-04	0.258	0.278	\$ 2.06 / \$ 2.43	150'
AB-SBS-AWG1-X	1	0.294	7.47	NA	0.289	0.311	\$ 2.32 / \$ 2.74	150'
AB-SBS-05-X	5/16	0.313	7.95	-05	0.312	0.334	\$ 2.52 / \$ 2.94	150'
AB-SBS-AWG0-X	0	0.330	8.38	NA	0.325	0.347	\$ 2.70 / \$ 3.17	150'
AB-SBS-06-X	3/8	0.375	9.52	-06	0.375	0.399	\$ 5.10 / \$ 5.96	150'
AB-SBS-07-X	7/16	0.438	11.12	-07	0.438	0.462	\$ 6.16 / \$ 7.34	100'
AB-SBS-08-X	1/2	0.500	12.70	-08	0.500	0.524	\$ 7.84 / \$ 9.16	100'
AB-SBS-10-X	5/8	0.625	15.87	-10	0.625	0.655	\$ 9.40 / \$ 11.01	100'
AB-SBS-12-X	3/4	0.750	19.05	-12	0.750	0.786	\$ 11.90 / \$ 12.36	100'
AB-SBS-14-X	7/8	0.875	22.22	-14	0.875	0.911	\$ 12.96 / \$ 15.16	100'
AB-SBS-16-X	1	1.000	25.40	-16	1.000	1.036	\$ 15.28 / \$ 17.88	100'

For the "X" value in the part number:
 use "P" to specify Plain
 use "HT" to specify Heat Treated

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.
 Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent.

This Product must be purchased in full coils.
 Product is made to order – allow 5 to 10 business days to fabricate.

**Very High Temperature Fiberglass Braided Sleeve
S-Glass Precision Small Diameter / Thin Wall (1/92" - .011"):
Heat Treated with Binders**

Part Number	Nominal Size				Inside Diameter		Price per Foot	Feet per Coil
	AWG / inch / mm / -dash				Min / Max inches			
AB-SBS-AWG24-X	24	0.022	0.56	NA	0.020	0.027	\$ 0.51	500'
AB-SBS-AWG22-X	22	0.027	0.69	NA	0.025	0.032	\$ 0.54	500'
AB-SBS-AWG20-X	20	0.034	0.86	NA	0.032	0.039	\$ 0.55	500'
AB-SBS-AWG19-X	19	0.038	0.96	NA	0.036	0.044	\$ 0.58	500'
AB-SBS-AWG18-X	18	0.042	1.07	NA	0.040	0.049	\$ 0.61	500'
AB-SBS-AWG17-X	17	0.047	1.19	NA	0.045	0.054	\$ 0.67	500'
AB-SBS-AWG16-X	16	0.053	1.35	NA	0.051	0.061	\$ 0.75	500'
AB-SBS-AWG15-X	15	0.059	1.50	NA	0.057	0.067	\$ 0.83	500'
AB-SBS-AWG14-X	14	0.066	1.68	-01	0.064	0.074	\$ 0.92	500'
AB-SBS-AWG13-X	13	0.076	1.93	NA	0.072	0.082	\$ 1.03	250'
AB-SBS-AWG12-X	12	0.085	2.16	NA	0.081	0.091	\$ 1.10	250'
AB-SBS-AWG11-X	11	0.095	2.41	NA	0.091	0.101	\$ 1.20	250'
AB-SBS-AWG10-X	10	0.106	2.69	NA	0.102	0.112	\$ 1.28	250'
AB-SBS-AWG9-X	9	0.118	3.10	NA	0.114	0.124	\$ 1.40	250'
AB-SBS-AWG8-X	8	0.133	3.38	-02	0.129	0.141	\$ 1.51	250'
AB-SBS-AWG7-X	7	0.148	3.76	NA	0.144	0.158	\$ 1.64	250'
AB-SBS-AWG6-X	6	0.166	4.22	NA	0.162	0.178	\$ 1.76	150'
AB-SBS-AWG5-X	5	0.186	4.72	-03	0.182	0.198	\$ 1.93	150'
AB-SBS-AWG4-X	4	0.208	5.28	NA	0.204	0.224	\$ 2.11	150'
AB-SBS-AWG3-X	3	0.234	5.94	NA	0.229	0.249	\$ 2.39	150'
AB-SBSP-AWG2-X	2	0.263	6.68	-04	0.258	0.278	\$ 2.70	150'
AB-SBS-AWG1-X	1	0.294	7.47	NA	0.289	0.311	\$ 3.06	150'
AB-SBS-05-X	5/16	0.313	7.95	-05	0.312	0.334	\$ 3.29	150'
AB-SBS-AWG0-X	0	0.330	8.38	NA	0.325	0.347	\$ 3.51	150'
AB-SBS-06-X	3/8	0.375	9.52	-06	0.375	0.399	\$ 6.62	150'
AB-SBS-07-X	7/16	0.438	11.12	-07	0.438	0.462	\$ 8.15	100'
AB-SBS-08-X	1/2	0.500	12.70	-08	0.500	0.524	\$ 10.17	100'
AB-SBS-10-X	5/8	0.625	15.87	-10	0.625	0.655	\$ 12.21	100'
AB-SBS-12-X	3/4	0.750	19.05	-12	0.750	0.786	\$ 15.46	100'
AB-SBS-14-X	7/8	0.875	22.22	-14	0.875	0.911	\$ 16.83	100'
AB-SBS-16-X	1	1.000	25.40	-16	1.000	1.036	\$ 19.84	100'

For the "X" value in the part number:

use "HTAR" to specify Heat Treated plus Acrylic Resin Binder

use "HTORV" to specify Heat Treated with Oleoresinous Varnish Binder

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.

Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent

Available in 8 colors:

This Product must be purchased in full coils.

Product is made to order – allow 5 to 10 business days to fabricate.

**Very High Temperature Fiberglass Braided Sleeve
E-Glass Precision Small Diameter / Heavy Wall (1/32" - .031")
Heat Treated or Heat Treated with Binders**

Part Number	Nominal Size				Inside Diameter		Price per Foot Heat Treated / Heat Treated with Binders	Feet per Coil
	AWG / inch / mm / -dash				Min / Max inches			
AB-EBS-AWG24-X	24	0.022	0.56	NA	0.020	0.027	\$ 0.36 / \$ 0.45	500'
AB-EBS-AWG22-X	22	0.027	0.69	NA	0.025	0.032	\$ 0.37 / \$ 0.46	500'
AB-EBS-AWG20-X	20	0.034	0.86	NA	0.032	0.039	\$ 0.39 / \$ 0.47	500'
AB-EBS-AWG19-X	19	0.038	0.96	NA	0.036	0.044	\$ 0.39 / \$ 0.48	500'
AB-EBS-AWG18-X	18	0.042	1.07	NA	0.040	0.049	\$ 0.40 / \$ 0.49	500'
AB-EBS-AWG17-X	17	0.047	1.19	NA	0.045	0.054	\$ 0.41 / \$ 0.50	500'
AB-EBS-AWG16-X	16	0.053	1.35	NA	0.051	0.061	\$ 0.42 / \$ 0.52	500'
AB-EBS-AWG15-X	15	0.059	1.50	NA	0.057	0.067	\$ 0.44 / \$ 0.54	500'
AB-EBS-AWG14-X	14	0.066	1.68	-01	0.064	0.074	\$ 0.45 / \$ 0.56	500'
AB-EBS-AWG13-X	13	0.076	1.93	NA	0.072	0.082	\$ 0.45 / \$ 0.57	250'
AB-EBS-AWG12-X	12	0.085	2.16	NA	0.081	0.091	\$ 0.46 / \$ 0.60	250'
AB-EBS-AWG11-X	11	0.095	2.41	NA	0.091	0.101	\$ 0.50 / \$ 0.66	250'
AB-EBS-AWG10-X	10	0.106	2.69	NA	0.102	0.112	\$ 0.51 / \$ 0.67	250'
AB-EBS-AWG9-X	9	0.118	3.10	NA	0.114	0.124	\$ 0.55 / \$ 0.70	250'
AB-EBS-AWG8-X	8	0.133	3.38	-02	0.129	0.141	\$ 0.59 / \$ 0.78	250'
AB-EBS-AWG7-X	7	0.148	3.76	NA	0.144	0.158	\$ 0.64 / \$ 0.83	250'
AB-EBS-AWG6-X	6	0.166	4.22	NA	0.162	0.178	\$ 0.70 / \$ 0.89	150'
AB-EBS-AWG5-X	5	0.186	4.72	-03	0.182	0.198	\$ 0.76 / \$ 0.97	150'
AB-EBS-AWG4-X	4	0.208	5.28	NA	0.204	0.224	\$ 0.82 / \$ 1.08	150'
AB-EBS-AWG3-X	3	0.234	5.94	NA	0.229	0.249	\$ 0.95 / \$ 1.18	150'
AB-EBS-AWG2-X	2	0.263	6.68	-04	0.258	0.278	\$ 1.05 / \$ 1.37	150'
AB-EBS-AWG1-X	1	0.294	7.47	NA	0.289	0.311	\$ 1.21 / \$ 1.55	150'
AB-EBS-05-X	5/16	0.313	7.95	-05	0.312	0.334	\$ 1.39 / \$ 1.82	150'
AB-EBS-AWG0-X	0	0.330	8.38	NA	0.325	0.347	\$ 1.68 / \$ 1.95	150'
AB-EBS-06-X	3/8	0.375	9.52	-06	0.375	0.399	\$ 1.98 / \$ 2.57	150'
AB-EBS-07-X	7/16	0.438	11.12	-07	0.438	0.462	\$ 2.24 / \$ 2.83	100'
AB-EBS-08-X	1/2	0.500	12.70	-08	0.500	0.524	\$ 2.39 / \$ 3.01	100'
AB-EBS-10-X	5/8	0.625	15.87	-10	0.625	0.655	\$ 2.58 / \$ 3.26	100'
AB-EBS-12-X	3/4	0.750	19.05	-12	0.750	0.786	\$ 3.18 / \$ 3.99	100'
AB-EBS-14-X	7/8	0.875	22.22	-14	0.875	0.911	\$ 3.51 / \$ 4.43	100'
AB-EBS-16-X	1	1.000	25.40	-16	1.000	1.036	\$ 4.27 / \$ 5.37	100'

For the "X" value in the part number:

use "HT" to specify Heat Treated

use "HTAR" to specify Heat Treated plus Acrylic Resin Binder,

use "HTARF" to specify Heat Treated plus Acrylic Resin Flexible Binder

use "HTORV" to specify Heat Treated with Oleoresinous Varnish Binder

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.

Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent

This Product must be purchased in full coils.

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