Fiberglass Braided Hermetic Sleeve - AWG Wire Gauge Sized – Small Diameter - E Glass with high crosslinked acryic copolymer

266°F / 130°C: Continuous Rating – Higher Temperature for Shorter Periods

DeltaGlass™ Class B Thermal Rating – Grade B-1 and C-1 Dielectric rating

This high temperature and heat resistant braided hermetic fiberglass (fibreglass / glassfibre) sleeve, fabricated from high quality E-Type fiberglass filaments that will not burn and has been saturated with a high-crosslinked modified acrylic copolymer.

It will withstand continuous exposure to temperatures of 266°F / 130°C. It provides excellent protection for wires and wiring in hermetically sealed refrigeration compressor units.

Resistant to hydrochlorofluorocarbon (HCFC) refrigerants (R-22 and R-123) along with new hydroflourocarbon (HFC) refrigerants such as R-134a. Compatible with mineral-oil lubricants such as Suniso® 3-G, along with synthetic polyol-ester lubricants such as Icematic® SW100 and alkylbenzene oils such as ZEROL® 150. This sleeve performs well with solvents such as methylene chloride, toluene, xylene and 1,1,1 trichlorethane.

This sleeve has been designed specifically for hermetic electric motors as its extremely low extraction levels of soluble materials protects against contamination and clogging within the compressor.

Conforms to NEMA TF-1, Type 2 and ASTM-D372.

E-Glass Properties:

Specific Gravity g/cm^3:	2.55 - 2.58
Elongation at break, %:	4.5 - 4.9
Tensile strength, psi @22°C:	500,000 - 550,000
Water absorbency @22°C, 65% R.H.:	None
Space Factor Insulation, volts:	1100 (Std Wall) 1500 (HD wall)
Volume Resistivity at 22°C and 500 volts DC, ohm-cm:	10^{15} – 10^{16}
Dielectric Constant at 22°C, 60 Hz:	6.5 – 6.8
Dissipation Factor at 22°C, 1 MHz:	0.001 – 0.005

Common Properties:
Good resistance to most acids and alkalies
Unaffected by bleaches and solvents
Excellent resistance to sunlight and aging. Not attacked by Mildew.
Conforms to NEMA TF-1. Fibers conform to MIL-R-60346. Type IV, Class 1.

This product is made to order: Delivery is approximately 5 to 15 business days.

Suniso® is a registered trademark of Compton Corporation
Icematic® is a registered trademark of Castrol, Inc.
ZEROL® is a registered trademark of Shrieve Chemical Products Company

Braided Fiberglass Hermetic Sleeve

E-Glass Precision Small Diameter / Standard Wall Thickness with high-crosslinked acrylic copolymer

Part Number	Nominal Size AWG / inch / mm / -dash				Feet per Coil
S-FG-AHE-AWG24-X	24	0.022	0.56	NA	500’
S-FG-AHE-AWG22-X	22	0.027	0.69	NA	500’
S-FG-AHE-AWG20-X	20	0.034	0.86	NA	500’
S-FG-AHE-AWG19-X	19	0.038	0.96	NA	500’
S-FG-AHE-AWG18-X	18	0.042	1.07	NA	500’
S-FG-AHE-AWG17-X	17	0.047	1.19	NA	500’
S-FG-AHE-AWG16-X	16	0.053	1.35	NA	500’
S-FG-AHE-AWG15-X	15	0.059	1.50	NA	500’
S-FG-AHE-AWG14-X	14	0.066	1.68	-01	500’
S-FG-AHE-AWG13-X	13	0.076	1.93	NA	250’
S-FG-AHE-AWG12-X	12	0.085	2.16	NA	250’
S-FG-AHE-AWG11-X	11	0.095	2.41	NA	250’
S-FG-AHE-AWG10-X	10	0.106	2.69	NA	250’
S-FG-AHE-AWG9-X	9	0.118	3.10	NA	250’
S-FG-AHE-AWG8-X	8	0.133	3.38	-02	250’
S-FG-AHE-AWG7-X	7	0.148	3.76	NA	250’
S-FG-AHE-AWG6-X	6	0.166	4.22	NA	150’
S-FG-AHE-AWG5-X	5	0.186	4.72	-03	150’
S-FG-AHE-AWG4-X	4	0.208	5.28	NA	150’
S-FG-AHE-AWG3-X	3	0.234	5.94	NA	150’
S-FG-AHE-AWG2-X	2	0.263	6.68	-04	150’
S-FG-AHE-AWG1-X	1	0.294	7.47	NA	150’
S-FG-AHE-05-X	5/16	0.313	7.95	-05	150’
S-FG-AHE-AWG0-X	0	0.330	8.38	NA	150’
S-FG-AHE-06-X	3/8	0.375	9.52	-06	150’
S-FG-AHE-07-X	7/16	0.438	11.12	-07	100’
S-FG-AHE-08-X	1/2	0.500	12.70	-08	100’
S-FG-AHE-10-X	5/8	0.625	15.87	-10	100’
S-FG-AHE-12-X	3/4	0.750	19.05	-12	100’
S-FG-AHE-14-X	7/8	0.875	22.22	-14	100’
S-FG-AHE-16-X	1	1.000	25.40	-16	100’

For the “X” value, specify “B1” or “C1”

See Size Table at the end of this catalog section for dimensional specifications

This product is not stock, it is made to order: Delivery is approximately 5 to15 business days.