

NU-FLEX HT

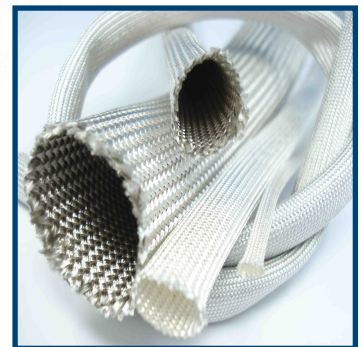
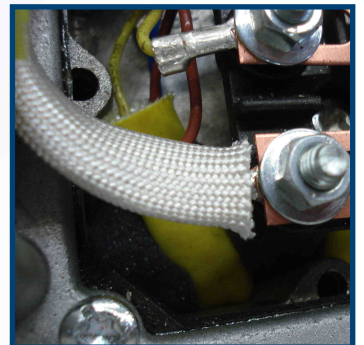
Electrical Equipment

Delfingen NU-FLEX HT is a tightly woven, flexible, continuous filament electrical grade 100% fiberglass braid heat treated to remove all organic contaminants and to set the glass braid for end-fray resistance.

NU-FLEX HT is the most economical choice for thermal insulation in applications where temperatures run as high as 650°C. NU-FLEX HT provides abrasion resistance with high flexibility. NU-FLEX HT products are made in standard wall or heavy wall constructions.

NU-FLEX HT is available in both a standard wall construction [HT-1220] (Jenisco HT210, Markel Hygrade Thermoflex 1200) and an .032" heavy wall construction [HT-1232] (Jenisco HT220, Markel Hygrade Thermoflex 1200HW).

NU-FLEX HT is used in high temperature, low voltage applications and wherever severe, repeated flexing or temperature extremes prohibit the use of other materials. Its expandability and flexibility enables it to slip over irregular shapes and electrical connections to provide effective thermal, mechanical and electrical protection. Typical applications include: insulation of leads in carbon brushes, toasters, irons, coffee makers and other small heating appliances; coil insulation on rotating equipment; thermal and mechanical protection of insulated wires and sensor leads in consumer, commercial, and industrial appliances and lighting fixtures, outer coverings for resin impregnated circuitry; double insulation for high reliability circuitry.



All our sites are ISO TS16949
and ISO 14001 certified

 **DELFINGEN**
INDUSTRY

Applications

NU-FLEX HT is Thermal Class 240 sleeving with a temperature range of -59°C to 648°C. It is made of flexible, continuous filament electrical grade fiberglass yarns conforming to MIL-Y-1140H. The sleeving is heat resistant, non-flammable and VW-1 flame-retardant as recognized by UL in File #80713. NU-FLEX HT exhibits high tensile strength and superior resistance to moisture, fungus and chemical attack.

HEAT TREATED FIBERGLASS SLEEVING

- Class "C" insulation rated at 240° C.
- UL VW-1 recognized insulation – UL File #E80713.
- **Applicable Specifications:**
 - ASTM D 350 / 372.
 - MIL-Y-1140H
 - NEMA TF-2
- Available sizes: AWG #24 – 1 1/8"
- Packaging: standard spools, bulk spools, cut to length.
- Colors: natural (silver-grey) only.

Operating Range:	-59° C to 648° C
Dielectric Breakdown:	Grade C-3 insulation. No dielectric value guaranteed. Determined by space factor.
Heat Age:	N/A
Dielectric constant:	N/A
Volume resistivity:	10 ¹⁴ ohm-cm @ 72°F and 500 Volts DC
Dissipation factor:	N/A
Cut through resistance:	Excellent
Oil resistance:	No swelling or disintegration
Fungus resistance:	Inert, requires no fungicide additives.
Rate of Burning:	Meets UL VW-1 flammability rating

Dimensions

NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Delfingen Std. Wall Part No.	Minimum Diameter (inches)	Maximum Diameter (inches)
24	0.024	0.61	HT2100024N	0.020	0.027
22	0.029	0.74	HT2100022N	0.025	0.032
20	0.036	0.91	HT2100020N	0.032	0.039
19	0.038	0.96	HT2100019N	0.036	0.044
18	0.044	1.12	HT2100018N	0.040	0.049
17	0.049	1.24	HT2100017N	0.045	0.054
16	0.056	1.42	HT2100016N	0.051	0.061
15	0.062	1.57	HT2100015N	0.057	0.067
14	0.069	1.75	HT2100014N	0.064	0.074
13	0.077	1.96	HT2100013N	0.072	0.082
12	0.086	2.18	HT2100012N	0.081	0.091
11	0.096	2.44	HT2100011N	0.091	0.101
10	0.107	2.72	HT2100010N	0.102	0.112
9	0.119	3.02	HT2100009N	0.114	0.124
8	0.135	3.43	HT2100008N	0.129	0.141
7	0.148	3.76	HT2100007N	0.144	0.158
6	0.166	4.22	HT2100006N	0.162	0.178
5	0.186	4.72	HT2100005N	0.182	0.198
4	0.208	5.28	HT2100004N	0.204	0.224
3	0.234	5.94	HT2100003N	0.229	0.249
2	0.263	6.68	HT2100002N	0.258	0.278
1	0.294	7.47	HT2100001N	0.289	0.311
5/16"	0.313	7.95	HT2100312N	0.313	0.334
0	0.330	8.38	HT2100000N	0.325	0.347
3/8"	0.387	9.83	HT2100375N	0.375	0.399
7/16"	0.450	11.43	HT2100437N	0.438	0.462
1/2"	0.512	13.00	HT2100500N	0.500	0.524
5/8"	0.640	16.26	HT2100625N	0.625	0.655
3/4"	0.768	19.51	HT2100750N	0.750	0.786
7/8"	0.893	22.68	HT2100875N	0.875X	0.991
1"	1.018	25.86	HT2101000N	1.000	1.036
1 1/8"	1.143	29.03	HT2101125N	1.125	1.161

Note: For heavy wall, substitute HT220 for HT210 portion of the part number. HT220 available in sizes # 16-3/8"

Data & photos for information only, subject to modifications without notice

Headquarters:

Delfingen Industry S.A.
25340 Anteuil - FRANCE
Tel: +33 (0)3 81 90 73 00
Fax: +33 (0)3 81 90 73 19

Europe, Africa & South America:

Delfingen FR-Roissy
4 Place de Londres,
Bât. Saturne BP 13716
95726 Paris Roissy CDG - FRANCE
Tel: +33 (0)1 41 84 31 00

North & Central America:

Delfingen US, Inc.
840 West Long Lake Road
Suite 120
Troy, MI 48098 - USA
Tel: +1 248 519 0534

Asia - Pacific:

Delfingen Asia Pacific
23F Cifigroup tower
33 Huayanshiqiao Road, Pudong District
200120 Shanghai - CHINA
Tel: +86 21 6101 0451