

RUBADUE WIRE CO INC
5610 Boeing Dr, Loveland CO 80538

<u>System Component</u>	<u>System Designation</u>	<u>System Class</u>
D-(10 to 40)-X-XX-F-XX-M (M = or > 2.0), D-(4-6)-X-A-XX-F-I, D-(7-10)-X-A-XX-F-H, S-(18 to 40)-X-XX-F-X-M (M = or > 2.0), S-(4-6)-X-A-XX-F-G, S-(7-10)-XX-A-XX-F-C, T-(10 to 40)-X-XX-F-XXX-M (M = or > 2.0), T-(4-10)-X-A-XX-F-J	RXT-2	155(F)

Report Date: 1998-06-19

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alternate constructions: [Table VI](#)

An Authorization Letter is Required for Adoption of this System

Construction Details (Table VI)

Complies with IEC Publication 85

The use of this insulation system is limited to the combination of materials specified below. Where more than one item is designated under insulation function, they may be used together indicated, or they may be used as alternates to one another. Functions designated "optional" are not necessarily required for every design. Insulation thicknesses and/or layers below minimum.

Note: Magnet Wire - Litz wire maybe constructed by braiding strands of Recognized Component OBMW2 magnet wire ANSI types listed below with or without nylon 6/6 serving, vario

Filament Wire

Additional Ground & Interwinding insulation **is not** required to separate this winding from other windings or between this winding and grounded/dead metal Recognized Component Single and Multi-Layer Insulated Winding Wire (OBJT2) listed below Recognized Component Appliance Wiring Material (AVLV2) listed below Unless otherwise noted, winding wire types listed below may be used in combination within a single product

<u>RUBADUE WIRE CO INC [E206198] - Recognized Component</u>	
D-(10 to 40)-X-XX-F-XX-M (M = or > 2.0)	2 (0.05)
D-(4-6)-X-A-XX-F-I	4.5 (0.11)
D-(7-10)-X-A-XX-F-H	4.5 (0.11)
S-(18 to 40)-X-XX-F-X-M (M = or > 2.0)	2 (0.05)
S-(4-6)-X-A-XX-F-G	4.5 (0.11)
S-(7-10)-XX-A-XX-F-C	4.5 (0.11)
T-(10 to 40)-X-XX-F-XXX-M (M = or > 2.0)	2 (0.05)
T-(4-10)-X-A-XX-F-J	4.5 (0.11)

Enameled Wire

Recognized Component - Magnet wire (OBMW2), single build or greater, round or rectangular, copper or aluminum unless stated otherwise for the types listed below Ground Insulation is required to separate this winding from grounded/dead metal Interwinding Insulation **is** required to separate this winding from other enameled wire Unless otherwise noted, Winding Wire types listed below may be used in combination within a single product

<u>ANSI Type</u>	<u>Temp(°C)</u>	<u>Basecoat(Topcoat)</u>
MW 35	or 200°C	Polyester-amide-imide (Polyamide-imide)

Ground and Interwinding Insulations

any Recognized Component Plastic (QMFZ2), polyethylene terephthalate film (PET) 1 mils minimum

<u>Designation</u>	<u>mils(mm)</u>	<u>comments</u>
<u>CELANESE INTERNATIONAL CORP [E41938] - Recognized Component</u> Rynite FR530(I)(+)(f1), FR530L(I)(+)(f1)	15 (0.38)	
<u>DuPont Specialty Products USA, LLC [E34739] - Recognized Component</u> Nomex® 410	5 (0.13)	

Lead Wires

lead wires are optional for this system

<u>Temp</u>	<u>Insulation</u>
125°C	XLPE - crosslinked polyethylene +
150°C	SR - silicone rubber(with or without braid)
150°C	EPDM - ethylene propylene diene monomer

+ To be isolated from direct contact with windings (magnet wire) by any insulating material (tape, layer insulation, sleeving,etc.) listed in this table - unless specifically exclude requirement by a special note at the beginning of this table.

Minor Sheet Materials

(layer, outer, wrap etc.) minor sheet is optional for this system

<u>Designation</u>	<u>comments</u>
<u>Dupont -Teijin Films</u> Mylar EL-21	
<u>E. I. Dupont de Nemours & Co.</u> Nomex®	

any sheet insulation or tape described in this table with no minimum thickness requirement may be used as a minor sheet material

Tapes

tapes are optional for this system

<u>Designation</u>	<u>comments</u>
<u>3M COMPANY [E17385] - Listed or Recognized Component</u> 27 (a) 46	
<u>Ideal Tape Co Inc</u> 750	
<u>Intertape Polymer Group</u> 4426-00 4616-00 51587-00	

51599-00

Nitto Permacel
P-21
P-243

thermosetting rubber adhesive, glass cloth

Core tubes and Bobbins

(for mechanical support only) cores are optional for this system

Designation

comments

CELANESE INTERNATIONAL CORP [E41938] - employing Recognized materials
Rynite 415HP

Honeywell
Petra 130

Spacer and Wedges

spacer and wedges are optional for this system

Designation

comments

Diversified Silicone Products
DSP50GP

Silicone Rubber

Ja-Bar Silicone Corporation
JB 2405

Silicone rubber

any material described in this table with no thickness requirement may be used as a spacer or a wedge

Tubing and Sleeving

tubing and sleeving are optional for this system

Designation

comments

ATKINS & PEARCE INC [E63446] - Recognized Component
Acryflex F
Suflex Vinylglas

Hilec/Delfingen US-New York Inc
427F
Hilec 310 Series
Hilec 414 F

Tie Cords

tie cords are optional for this system

Designation

comments

E. I. Dupont De Nemours & Co. Inc.
Tefzel

Varnishes

varnishes are optional for this system

Designation

comments

ELANTAS North America, Inc [E75225] - Recognized Component
B-9-116@, B9-116-1@

ELANTAS ZHUHAI CO LTD [E314793] - Recognized Component
B-9-116@