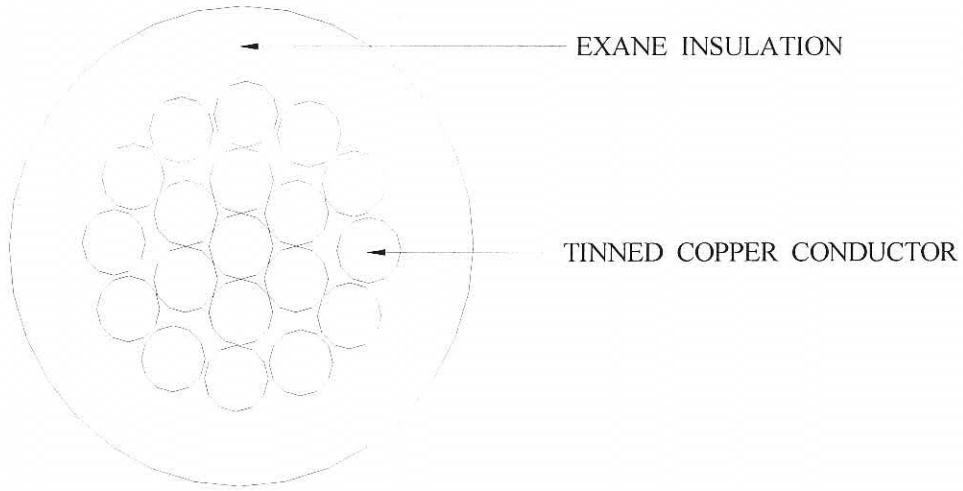


**PRODUCT SPECIFICATION DRAWING**

*Proprietary Information not to be reproduced*

**Product Title: 1/C 20 AWG (19/32) 30 MILS EXANE INSULATION, 110°C 600 V**



<u>CONSTRUCTION:</u>	<u>1 REQUIRED</u>	<u>NOMINAL DIAMETER</u> <u>(Inches)</u>
<u>1.0 CONDUCTOR:</u>	20 AWG (19/#32), Tinned Copper	0.038
<u>2.0 INSULATION:</u>	Irradiation Cross-Linked Polyolefin, Exane Insulation Thickness 0.030 inches	0.100
	Minimum Diameter:	0.097
	Maximum Diameter:	0.103
<u>3.0 COLOR:</u>	Dark Gray	
<u>4.0 PRINT LEGEND:</u>	Insulated conductor is printed in ink with contrasting color as follows: "ROCKBESTOS SURPRENANT EXANE DAA 1068A 1/C 20 AWG 19/32 600V 110C (Date of Mfg)"	
<u>5.0 TEST REQUIREMENTS:</u>	The single conductor is tested during the extrusion of the insulation with a High Frequency Spark Tester at 7500 V.  The finished single conductor is also tested at the final rewind operation with a Impulse Dielectric Tester at 18 KV (Peak) or a High Frequency Spark Tester at 7500 V.	
<u>6.0 BEND RADII:</u>	This is based on the outside diameter of the cable, and refers to the inside radius of the bend.  Static (Permanent Training): 0.70 inches, Minimum Dynamic (Pulling): 0.80 inches, Minimum	
<u>7.0 FLAME:</u>	Passes the flame test requirements of 49 Code of Federal Regulations (CFR) Part 238, Appendix B, in accordance with NEMA WC 3/ICEA S-19-81, paragraph 6.19.6.	



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TXE-20-600V (FXE1932030)

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Date: 7/17/2007  
Revision: 0

Page: 1 of 1  
DWG Number: TD-006223

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**Product Title:** 1/C 20 AWG (19/32) 30 MILS EXANE INSULATION, 110°C 600 V

**8.0 SMOKE:** Passes the smoke test requirements of 49 Code of Federal Regulations (CFR) Part 238, Appendix B, in accordance with ASTM E662-97:

Flaming D<sub>s</sub> (4.0 minutes) [ 200  
Non-Flaming D<sub>s</sub> (4.0 minutes) [ 75

**9.0 TOXICITY:** Passes the toxicity requirements when tested in accordance with Boeing Specification Support Standard, BSS-7239, for both the flaming & Non-flaming modes, as detailed in the table below:

Chemical	Requirement (ppm), Max.
Carbon Dioxide	90000
Carbon Monoxide	3500
Hydrogen Fluoride	200
Hydrochloric Acid	500
Nitrous Fumes (NO & NO <sub>2</sub> )	100
Sulphur Dioxide	100
Hydrocyanic Acid	150



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