

OTHER ADDRESSEES - FOR INFORMATION

CERRO WIRE & CABLE CO.
DIVISION OF **CERRO CORPORATION** | NEW HAVEN CONN. 06504

RECEIVED
AUG 31 1972

INTERNAL MEMORANDUM

cc:
E. S. Reed
R. G. Boudon

SHOW NAME, TITLE AND CORPORATION OF ADDRESSEE AND ADDRESSOR **DATE:** 8/30/72

TO: George Buettner

FROM: D. O. Martin

SUBJECT: Continental's Announcement of New High Temperature Appliance Wires

I am enclosing as much data or related data I could find relative to subject.

The electronic ignition wire for gas ranges is an easy one since to the best of my knowledge Continental has only furnished that construction to one customer, Caloric Corp., Tonton, Pa.

You will find a Caloric drawing among the papers covering two types. I believe this wire was purchased for use on self-cleaning ovens.In the last couple of years, however, Caloric did not buy the wire from Continental on the premise that self-cleaning ovens were not selling but there is always the possibility they were getting the material at a better price elsewhere.

I seem to recall when Caloric first came to Continental, they were looking for a wire that carried some kind of approval such as "American Gas Association" or "UL".

I will ask Bob Boudon to go through the papers which I recently gave him since I believe there should be at least some old invoices covering silicone rubber ignition wire.

It may be that the other wire type mentioned in your memo is the same as the "Pyromica" type Continental describes in another of the attached sheets.

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RBB 00112

GAGE	TYPE	NO. OF STRANDS	O.D. OF STRAND	O.D. OF GROUP	MATERIAL	O.D. INSU[illegible]	[illegible]PROVED [illegible]ERATURE	APPROVED VOLTAGE	VENDOR	REMARKS
18	A-16(a)	7	.0152	.047	COPPER	.129 [illegible]	[illegible]00°C	300-V	CLEVELAND INSULATED WIRE	1-MIL MYLAR BETWEEN 2 LAYERS [illegible] ASBESTOS WITH SMOKELESS [illegible]
18	A.F.	16	.0100	.045 ±2%	COPPER	.110 [illegible]	[illegible]50°C	300-V	CLEVELAND INSULATED WIRE	SINGLE CONDUCTOR, PLAIN [illegible] FINISH, HALF LAPPED [illegible] MOISTURE PROOF & FLAME PROOF
14	A.F.	41	.0100	.074 ±2%	COPPER	.139 [illegible]	[illegible]50°C	300-V	CLEVELAND INSULATED WIRE	SINGLE CONDUCTOR, PLAIN [illegible] FINISH, HALF LAPPED [illegible] MOISTURE PROOF & FLAME PROOF
18	THERMO PLASTIC	16	.0100	.045	COPPER	.110 ±[illegible]	105°C	600-V	KALAS MFG.	VINYL INSULATION
14	THERMO PLASTIC	41	.0100	.074	COPPER	.139 ±[illegible]	105°C	600-V	KALAS MFG.	VINYL INSULATION
20	HIGH TEMP HIGH VOLTAGE	7	.0126	.038	IRON (NICKEL PLATED)	.197 ±[illegible]	[illegible]00° [illegible]-FLEXING	20,000-V	CONTINENTAL WIRE & CABLE CO.	SILICON RUBBER INSULATION
20	HIGH TEMP HIGH VOLTAGE	7	.0126	.038	NICKEL	.197 ±[illegible]	[illegible]00°F	10,000-V	CONTINENTAL WIRE & CABLE CO.	INORGANIC INSULATION & WHITE GLASS BRAID

DEC 17 1971

			ORIGINAL	REV.	MATERIAL	CALORIC CORPORATION RESEARCH & DEVELOPMENT CENTER TOPTON, PA., U.S.A.
				WAS	FINISH	SCALE NONE · DRAWN J.J.B. · CHECKED F. HOILMAN · DATE 10-31-[illegible] · DATE 11-[illegible]
				DES.	SPECIFICATIONS	TITLE WIRE SPECIFICATIONS
				ENG.		CODE NUMBER B · PART NUMBER 78151
				CK'D		

RBB 00113

CIRCA OCT. '6

"PYROMICA" 1000°F 600 VOLTS

POWER CABLE AND APPLIANCE LEAD



Stranded Nickel-Clad Copper | "Conomica" Asbestos Tapes | Glasbestos braid w/high temp. finish.

"Pyromica" cable is constructed with stranded nickel clad copper conductor, "conomica" tape insulation, impregnated asbestos and a combination braid of asbestos and glass with a high temperature silicone impregnation. The natural color of the wire is a straw tan appearance. "Pyromica" cables are suitable for continuous operation at ambient temperatures up to 1000°F and under emergency conditions will operate in direct flame. "Pyromica" cables are rated at 600 volts.

Applications for "Pyromica" include wiring in or on basic oxygen furnaces, open hearths, blast furnaces, cement kilns, electric heaters, glass plants, steel mills, boiler rooms and many others.

X A special "Pyromica" construction is available with a ceramic finish on the glasbestos braid with no change in overall diameter and weight and only a slight increase in cost. Color is green.

SPECIFICATIONS AND PRICES

SIZE	STRANDS	NOMINAL O.D.	250'	500'	1000'	5000'	WGT./ MFT.
18	16/30	0.175"	$ 186.-	$ 149.-	$ 134.-	$ 127.-	18#
16	26/30	0.185"	237.-	190.-	171.-	162.-	21#
14	41/30	0.200"	304.-	243.-	218.-	207.-	28#
12	65/30	0.220"	434.-	347.-	312.-	295.-	38#
10	105/30	0.245"	512.-	394.-	368.-	350.-	61#

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