



Lead Industries Association, Inc.

292 Madison Avenue • New York, N. Y. 10017 • Telephone: (212) 679-8038

CONFIDENTIAL
NOT FOR PUBLICATION

October 18, 1972

SUBJECT: REPRINT - "HISTORY PROVES A
FUTURE OF TROUBLE-FREE DUTY"

TO THE MEMBERS OF THE LEAD INDUSTRIES ASSOCIATION, INC.

Enclosed is a reprint from Electrified Industry "History Proves A Future Of Trouble-Free Duty" featuring an L.I.A. Release on the continuing use of Lead Sheathed Cable. Electrified Industry has a monthly circulation of 53,000 to key utilities personnel.

If you would like to have additional copies of this reprint for distribution to your staff or customers, please do not hesitate to contact us.

Very truly yours,

LEAD INDUSTRIES ASSOCIATION, INC.

R. Assadi
Manager - PublicationsRA:cm
Encl.

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ADDITIONAL INFORMATION AVAILABLE

(Bulletin C-2)

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History Proves A Future Of Trouble-Free Duty

...from underground power
distribution system



MAIN FEED LINES carry 13.8-kV power from a substation to the motor switches. Cables are 15 kV, 500 MCM, compact-sector paper-insulated and are protected with a lead sheath. All this cable is neoprene jacketed to control ground current corrosion often found near high powered electric motors and cables.

FOUR CABLES are connected to the termination beneath one of the mill's drive motors. The soft, flexible and corrosion-resistant cable has proven itself in more than 20 years of operation elsewhere in the plant.

LONG, TROUBLE-FREE SERVICE is assured for one of the nation's larger steel rolling mills as a result of installing over nine miles of paper-insulated, lead-sheathed cable. The mill has been using this type of cable for its underground distribution system for over 20 years. The addition of a six-stand, cold reduction mill at the facility made necessary an extensive revamping of the electric power distribution system. Existing cables were re-routed and replaced to provide power for existing facilities. New ducts were constructed to carry the power cable to existing equipment and to the new mill.

Six cables carry 13.8 kV power from a primary transformer to the switchgear of one of the motors located about 1100 feet away. Four 100-foot cables serve the motor. The second motor is served the same way except it is about 175 feet from the switchgear. Exposed cables within the building are wrapped with arc proofing tape to minimize any possible fire hazard.

Source: Lead Industries Association, Inc.

