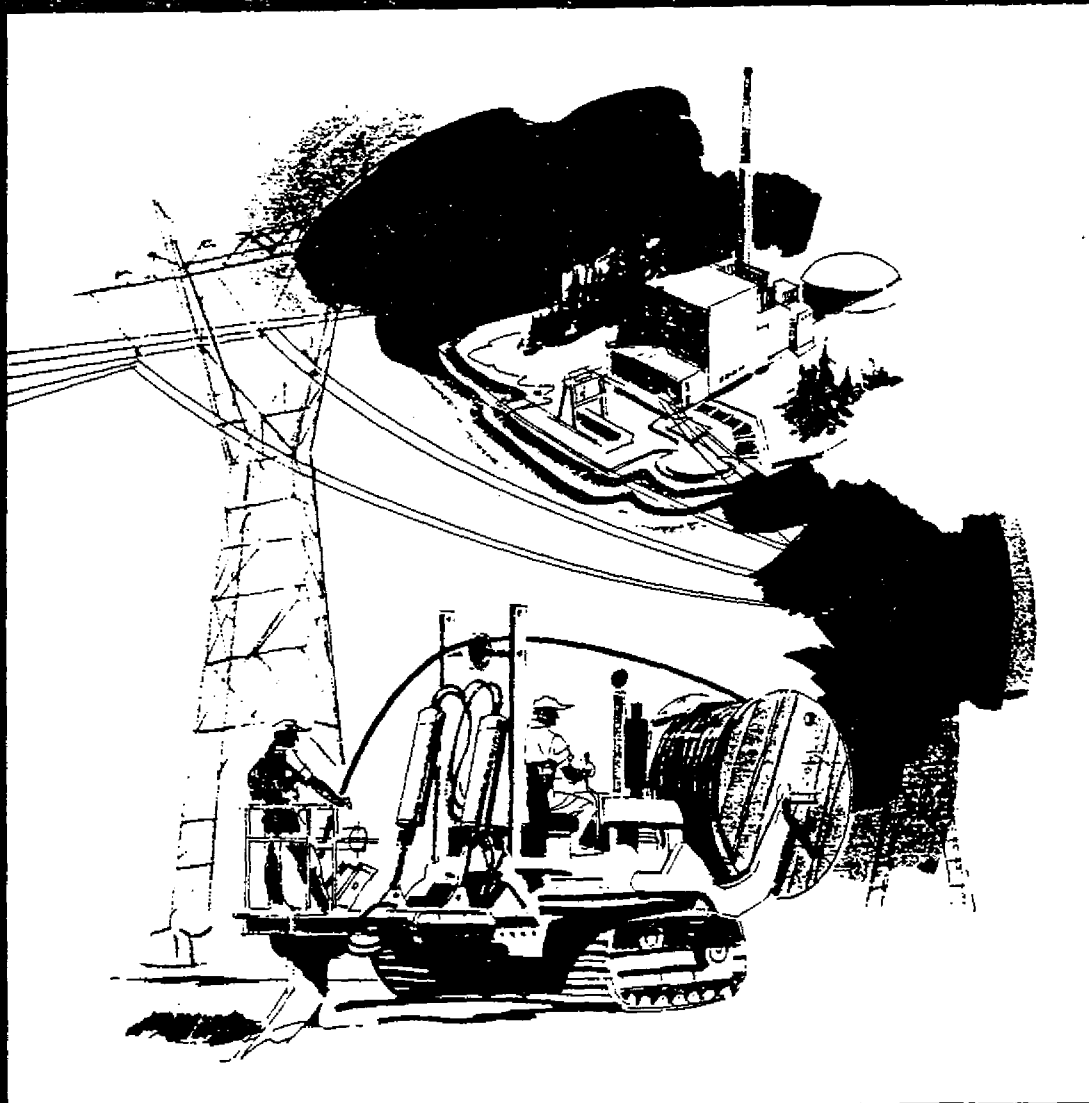


PLAINTIFF'S
EXHIBIT
E-215

General Cable



RBB 01382

SC-ELEC-00037



**General Cable
for the most
comprehensive line of
wire, cable and
associated products
available anywhere**

More than a full-line supplier of quality wire and cable products—General Cable is a reliable supply source you can depend on for fast, efficient response to all your needs. It offers the electric utility industry years of

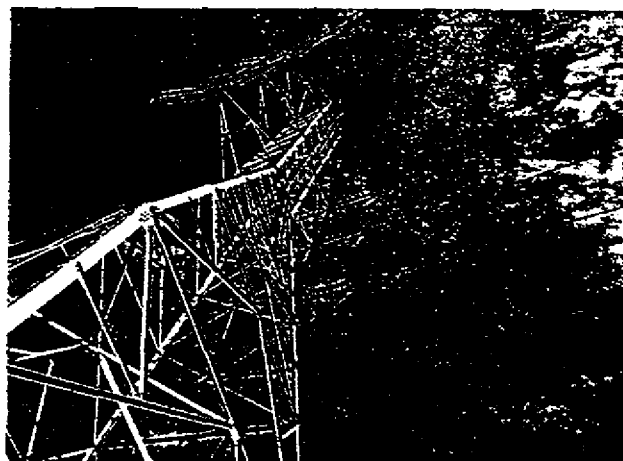
accumulated experience in quality control, manufacturing, engineering, research and development.

Founded in 1882, the same year the first Edison generating station began operations in New York, General Cable is, today, one of the nation's leading independent producers of both power and communications wire and cable. It maintains a nationwide network of manufacturing plants, sales offices, distribution centers and regional warehouses—all dedicated to prompt, dependable response to customer needs.

Sensitive to the stringent quality demands of the electric utility industry, General Cable



35-kv concentric neutral stranded aluminum conductor being installed to provide 3-phase service for commercial/industrial power loads.



General Cable provides a complete line of aluminum and ACSR conductors for aerial power transmission and distribution.

High voltage test set-up at General Cable's research center designed to impress surge voltage on power cable to simulate lightning strokes.



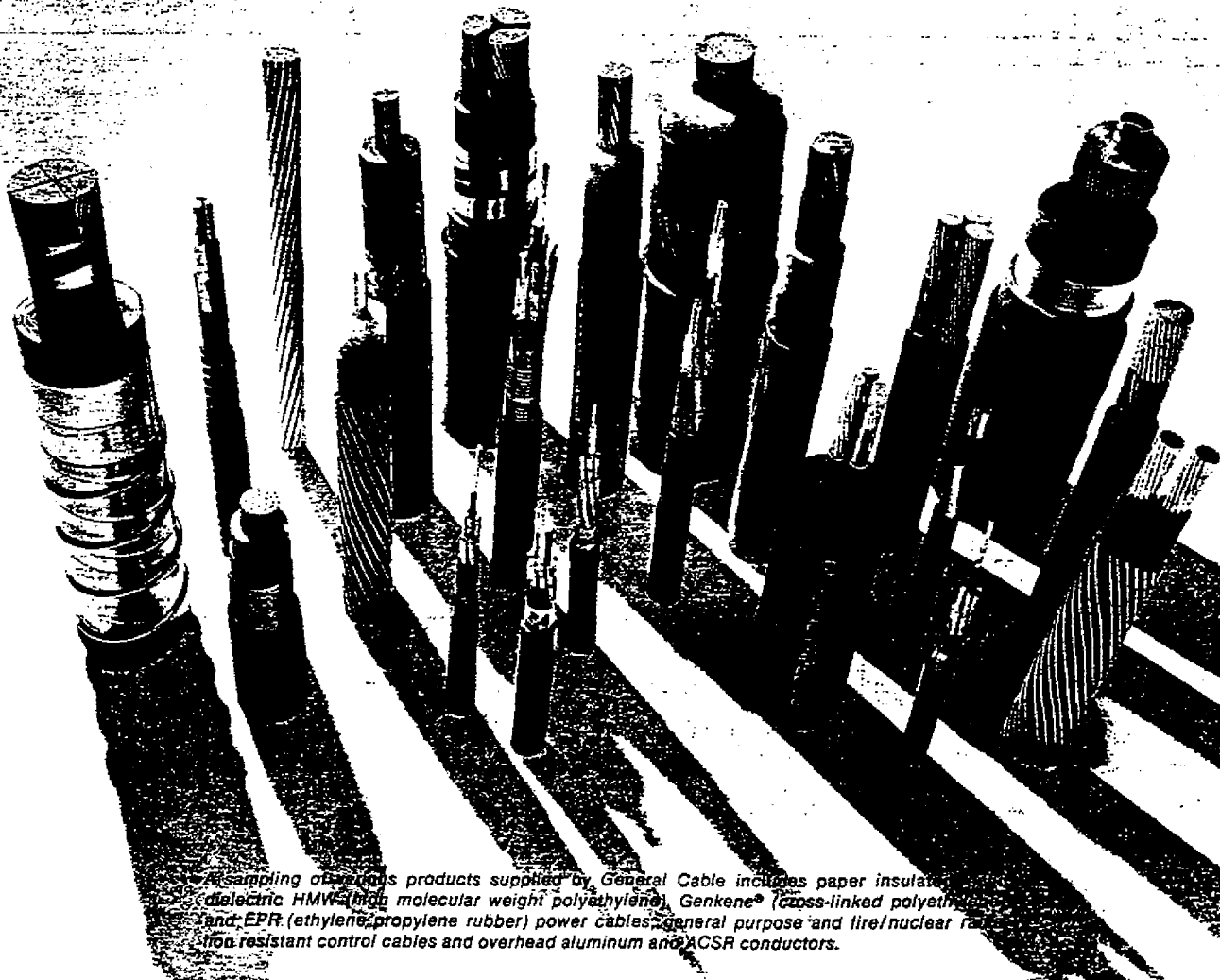
35-kv concentric neutral, single conductor aluminum URD cable being installed in a new residential community.



maintains a rigorous quality assurance program to insure product integrity. It is, through its modern research and development facilities and skilled application engineers, equipped to satisfy requirements for the most advanced cable designs.

This brochure is not intended as a de-

tailed catalog of our product line. It is intended, rather, as a brief introduction to the scope and range of the products we produce for electric utilities. For complete data, please consult the appropriate General Cable catalog (see back cover) or call your nearest General Cable sales office.



A sampling of various products supplied by General Cable includes paper insulated dielectric HMW (high molecular weight polyethylene), Genkene® (cross-linked polyethylene) and EPR (ethylene propylene rubber) power cables; general purpose and fire/nuclear resistant control cables and overhead aluminum and ACSR conductors.

RBB 01384

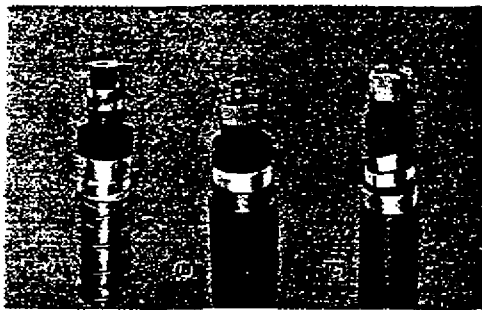
POWER CABLES

Regardless of your requirements, General Cable can furnish power cable to fit the task from low voltage power and lighting circuits to 345kv high pressure, oil filled pipe type cable for the transmission of huge blocks of power.

A broad range of insulations are available. Among them are impregnated paper, HMW (high molecular weight polyethylene), Genkene® (cross-linked polyethylene), EPR (ethylene propylene rubber), hypalon and varnished cambric.

Paper Insulated

Paper insulated lead covered cable, low pressure oil filled cable and pipe type cable have for years served as system backbone cable in electric utility underground plant. They have performed this function with an excellence not approached by any other cable system. Primary reasons for its suc-



(A) Pipe type cable: available through 345kv in aluminum or copper conductors. (B) Single conductor low pressure oil filled cable: available through 161 kv with aluminum or copper conductors. (C) 3 conductor solid construction, Type H, paper insulated—Oil impregnated—lead sheathed cable: available through 46kv (100% level) with aluminum or copper conductors.

cess are rugged structuring, excellent uniformity of electrical characteristics of the high grade paper insulation, its laminar structure, and oil impregnation which prevents ionization. Added to these benefits is the mechanical protection and imperviousness which lead sheaths or steel pipes lend

to the underlying cable structures. Other important characteristics of these systems are the exceptionally high fault current capability of the lead sheaths or steel pipes and corrosion protection in the form of synthetic jackets or coatings.

Solid Dielectrics

Cables utilizing an insulation extruded onto the conductor in a solid wall are commonly referred to as solid dielectric cable types. Of these, General Cable offers Genkene (cross-linked polyethylene), HMW (high molecular weight polyethylene), EPR (ethylene propylene rubber), and hypalon.

These cable types are recommended for use in the voltage ranges shown below for a variety of applications, among them Underground Residential Distribution, underground backbone feeder cable, and station power cable.

Cables for use at 5kv and above are generally shielded. Depending upon the intended application, the outside covering, i.e., metallic shield and overall jacket or concentrically applied neutral, will vary. The underlying core will, however, in these voltage ratings, generally consist of an aluminum or copper conductor, extruded semi-conducting conductor shield, extruded insulation, and an extruded semi-conducting insulation shield.

Metallic shields are available to provide all the benefits of an electrostatic shield and to lend the proper fault current capability to the cable construction in its intended use. The metallic shield may consist of concentrically applied round copper wires, flat copper ribbons, helically applied copper tape(s), or a longitudinally applied and corrugated copper or corrosion protected aluminum tape.

Overall protective jackets, depending upon application, are available in asbestos braid, PVC (polyvinyl chloride), hypalon, HMW, high density polyethylene, or neoprene.

Genkene' (Cross-linked Polyethylene)

Available from 600v through 69kv with aluminum or copper conductors; available with a variety of shielding constructions and jackets (see *solid dielectrics*) as well as protective armors, such as galvanized steel tape armor, galvanized steel wire armor, aluminum or steel interlocked armor, and aluminum or steel CCW (continuous corrugated welded) armor.

HMW (High Molecular Weight Polyethylene)

Available from 600v to 35kv with aluminum or copper conductors; available with a variety of shielding constructions and jackets (see *solid dielectrics*) as well as protective armors, such as galvanized steel tape armor, galvanized steel wire armor, aluminum or steel interlocked armor, and aluminum or steel CCW (continuous corrugated welded) armor.

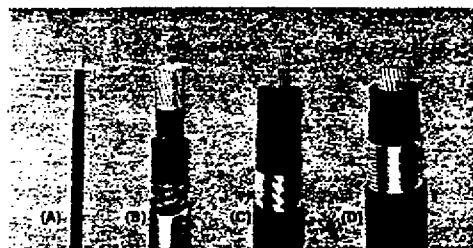
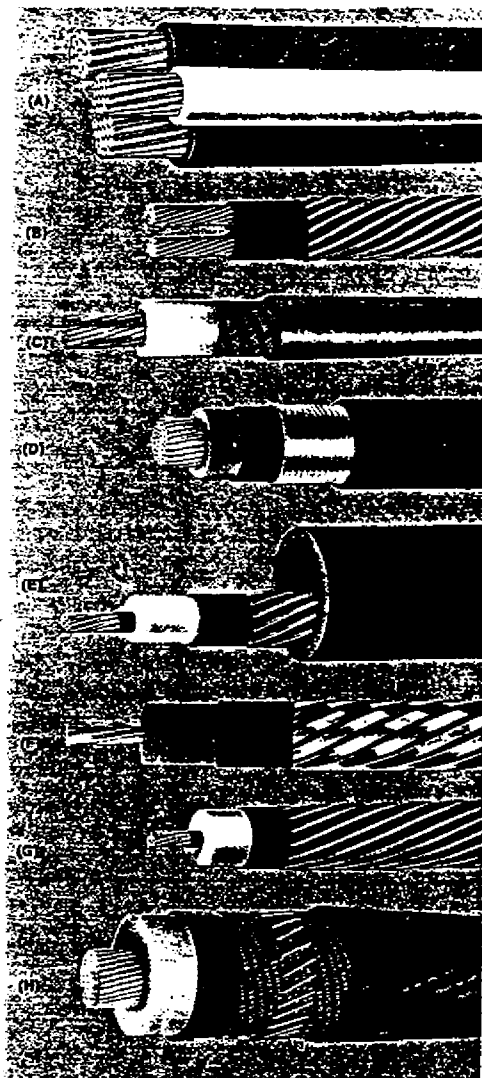
(A) 3 conductor 600v underground secondary cable. (B) 3 conductor 600v underground secondary cable. (C) 1 conductor 15kv primary cable with lead sheath. (Genkene). (D) 1 conductor 15kv primary cable with LC™ shielding (Longitudinally Corrugated) and plastic jacket. (E) 1 conductor 15kv primary cable in factory assembled duct. (F) 1 conductor 15kv primary cable with concentric neutral. (G) 1 conductor 35kv primary cable with concentric neutral. (H) 1 conductor 69kv primary cable. (Genkene).

EPR

(Ethylene Propylene Rubber)

Available from 600v through 35kv with aluminum or copper conductors; available with a variety of shielding constructions and jackets (see *solid dielectrics*) as well as protective armors, such as galvanized steel tape armor, galvanized steel wire armor, aluminum or steel interlocked armor, and aluminum or steel CCW (continuous corrugated welded) armor.

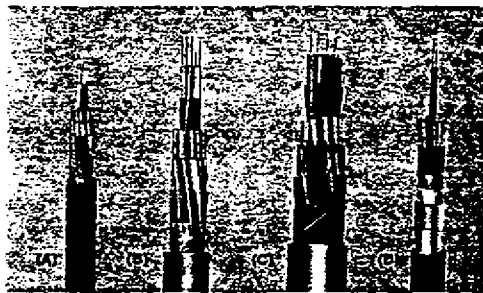
(A) 1 conductor secondary with neoprene jacket. (B) 1 conductor secondary with lead sheath. (C) 1 conductor primary with copper ribbon shielding and hypalon jacket. (D) 1 conductor primary with LC shielding (Longitudinally Corrugated) and plastic jacket.



CONTROL CABLE

General Cable produces a full range of general purpose, fire and radiation resistant, and supervisory control cables for the electric utility industry. All types of insulations are available: Aquaseal® (Low SIC rubber), EPR, hypalon, polyethylene, Genkene, PVC, and others. Outer coverings of lead, polyethylene, PVC, neoprene, hypalon or asbestos braid plus all types of shielding and metallic armors can be applied to the most exacting specifications. General Cable control cables are color coded to IPCEA standards.

General Purpose

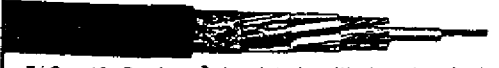


(A) 12/C #9 20/10 (polyethylene/PVC)—600v. (B) 12/C #10 Genkene—800v. (C) 15/C #9 Aquaseal (low SIC rubber)—Neoprene—600v. (D) 7/C #10 EPR/hypalon with LC shielding—600v.

Fire and nuclear radiation resistant



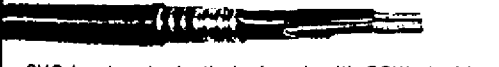
7/C #12 EPR/hypalon jacket overall; asbestos core tape.



7/C #12 Genkene® insulated, with hypalon jacket overall; asbestos core tape.



Hypalon insulated with hypalon jacket overall; asbestos core tape.



PVC insulated, plastic jacketed, with CCW shield.

7/C Safety Mineral Insulated (M. I.) Cable.

Supervisory Control Cable

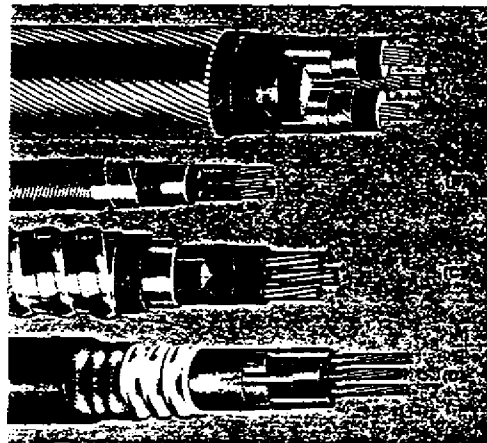
General Cable offers Qualpeth FPA and DS Qualpeth FPA for supervisory control circuits operating at potentials up to 300 volts.

BARE AND COVERED OVERHEAD ALUMINUM AND ACSR

General Cable provides a complete line of bare overhead aluminum and ACSR conductor, line wire, and service drop.

PROTECTIVE COVERINGS

Protective coverings of all types are provided to meet the most rigorous service conditions. Armors may be of bronze, copper, steel, copper-covered steel or other metal or alloys. The specifying engineer can select his armor metal to suit the environmental conditions to be encountered.



(A) Round Steel Wire Armor. (B) Flat Tape Armor. (C) Interlocking Tape Armor. (D) CCW Armor.

INDIANA STEEL AND WIRE PRODUCTS

The Indiana Steel & Wire Division of General Cable has been manufacturing quality galvanized wire, wire products and strand for the electric utility industry for over 65 years.

Crapo galvanizing has long been a yardstick of quality for the "A" weight of zinc coating on wire and strand. Since 1947, "B" and "C" galvanized coatings of zinc have



offered utilities an economical opportunity at longer life in guy strand and overhead static wire.

Galvanized steel conductor, strand servers, preformed armor rods, power housings and miscellaneous wire items make a complete package for utilities whether for transmission or for distribution.



Preformed Armor Rods: are designed to furnish excellent protection for static or overhead ground wire.

IS&W Static, Ground and Guy Wire: available in five thicknesses of zinc coatings—"A", "A Plus", "B", "C" and "D".



TELSTA INSULATED AERIAL LIFTS

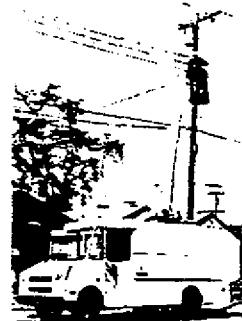
Over 15 years of design, development and manufacturing experience have been invested in the TELSTA 'SI' Series van-mounted aerial lift. Today's dramatic insulated lift features the 'One-Man/One-Step'

concept, beginning with the original TELSTA 'Lamplighter' created for streetlight maintenance.

The 'SI' Series offers a full array of field-tested features, including insulated telescopic boom, no boom over-hang, patented torsion-bar suspension, dual-safety brake-lock systems.

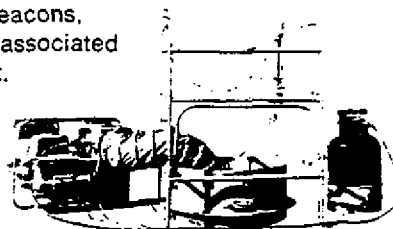
In addition, the compact van creates a ready-made 'warehouse' for storage of bulbs, cleaning and repair materials. Productivity goes up and costs go down with the TELSTA 'Lamplighter'.

This insulated lift may also be installed on a standard line chassis through the use of a universal mounting system. Details of these outstanding insulated lifts may be obtained by contacting TELSTA Division, General Cable Corporation, 1700 Industrial Road, San Carlos, California 94070. Telephone: 415-591-7611.



MOPECO VENTILATING SYSTEMS AND ACCESSORIES

The MOPECO Division of General Cable produces a complete line of products for manhole safety ventilating systems: ventilators, ventilating-heaters, air blowers, engine-generator sets, water pump attachments, warning masts and flags, high level warning beacons, and other associated equipment.





General
Cable 

RBB 01389