# SHUREMICROPHONES



## 1936 Complete Catalog MICROPHONES and ACCESSORIES

for

- Public Address
- Broadcasting
- Recording
- Amateur and Commercial Communications
- Intercommunication
- Hearing Aids
- Scientific and Industrial Applications

#### The SHURE GUARANTEE

Each instrument is guaranteed to be free from mechanical and electrical defects for a period of one year from date of shipment from the factory, provided all instructions are complied with fully.



Established 1925

### Shure microphones

are products of **specialists.** They are designed and produced at "Microphone Headquarters," where all effort is devoted **exclusively** to Microphones and closely-related accessories.

Out of this specialized activity have come such outstanding developments as the "Wave-Equalization" of microphone response . . . the "Spheroid" Non-Directional crystal microphone . . . the "Curvilinear" microphone diaphragm . . . a new improved piezo-electric "Stethophone" . . . and many others. As a result, Shure Microphones have achieved world wide recognition for their outstanding quality and moderate cost.

Continued forward-looking research and development of this high type is your assurance of advanced performance in **every** Shure Microphone.

# SHURE BROTHERS • MICROPHONE HEADQUARTERS 215 WEST HURON STREET • CHICAGO.U.S.A.

Form No. 138—43615H Printed in U.S.A.

### Adopted by Leading Sound Equipment Manufacturers

#### TYPE CARBON

#### Model 3B Two-Button



Advanced engineering and controlled quantity pro-duction have made possible this full-size Two-Button Microphone with quality performance never before

performance never before available at such extremely low cost! Designed for spring suspension. Rigid cast frames and built-in protective grill, finished in bright nickel plate overall. Has the well-known Shure "Quickway" Hooks. May be used as a single-button microphone. Frame diameter, 3". Net weight, ½ lb. Shipping weight, ½ lb. Model 3B. Two-Button. Code: Ruciv. \$550

List Price.

Model 10B. Convertible Hand Microphone. Convenient general purpose P.A. microphone, convertible from hand to 3B type for stand mounting by removing mounting ring and inserring four "Quickway" Hooks. Black enameled handle. Overall length, 87/8". Net weight, 3/4 lb. Shipping weight, 1 lb. Complete with 6 feet of three-conductor cable and 4 "Quickway" Hooks. Code: Rucor.

List Price. List Price......

Model 1085. Convertible Hand Microphone. Same as Model 108 but includes a concealed switch which automatically cuts off the microphone when it in a horizontal position. is placed \$ | | 50 Code: Rucos. List Price......

#### Model 3A Two-Button

Model 2A. Single-Button Microphone. Same size and appearance as Model 3A. \$600 Code: Rucil. List Price



Model 5B Two-Button

A full-size two-button mi-crophone (diameter overall 33/4", thickness 1 \( \frac{1}{n} \)", weight 151/2 ozs.). Regular full-size precision adjustable buttons and special diaphragm assure and special diaphragm assure exceptional quality of reproduction. Ideal for low cost sound systems. Attractive modern design, finished in chromium plate. Screen-protected diaphragm and "Quickway" Hooks. Shipping weight, 1½ lbs.

Model 5B. Code: Rucit. List Price.

#### Model 22B Two-Button

Embodies refinements formerly found only in more costly instruments. Genuine cathode-sputtered gold-spot diaphragm, carefully stretched and scientifically damped. Chromium plated. Net weight, 1 lb. Shipping weight, 1½ lbs.

Model 22B. Code: Rudip. List Price.....\$25

#### Model 27N Two-Button

Professional type two-button microphone in every respect. Beautiful case, richly finished in chromium plate. Thickness 1½". Diameter overall 3¾". Net weight, 1½ lbs. Shipping weight, 1½ lbs. Model 27N. Code: Rubal. \$3750 List Price

Model 33N Two-Button



The most highly developed two button microphone. Used in Broadcast Stations Used in Broadcast Stations because of its excellent frequency response, ruggedness and dependability. Massive brass frames. Dural diaphragm with genuine cathode-sputtered gold spots, carefully stretched and aged. Chromium plated. Thickness 114". Diameter overall 43s". Net weight, 2½ lb. Shipping weight, 3 lb. Model 33N. Code: Rulit. \$50

#### CRYSTAL (Piezo-Electric) TYPE

#### Model 70H



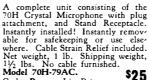
The Shure 70H sets the "standard of performance" for diaphragmetype crystal microphones. Adopted by leading Sound-Equipment Manufacturers. "Curvilinear" diaphragm and "Bimorph" crystal, "Cantilever" actuated. Beautiful cast case, chromium-plated overall. Mounts direct on any Shure stand or in carbon ring. Cable may be brought through stand tubing or outside as desired. Convertible to a Hand Microphone with X40A Handle. Complete with removable "close-fatting" ring, 4 "Quickway" Hooks and shielded single-conductor rubber jacketed cable. Model Cable Length Code Shps.Wt. List

\$22,50 \$25.30

Model 70HP. "Push Pull" Crystal Microphone. Same as 70H except cable is two-conductor shielded. Recommended for amplifiers with pushpull input.

Model Cable Length Code 70HP 7 feet Rulev 70HP-25FT 25 feet Rulex 70HP-35FT 35 feet Rulep Shpg.Wt. 1½ lbs. 2¼ lbs. 2¾ lbs. \$22,50 \$25.20 \$26.70 Model A40A (formerly 71BH). Handle. Remevable handle which fits 70H Crystal Microphone for hand use. Shipping weight, 1/2 lb. Code: Ruri).

#### 70H-79AC Demountable



Code: Ruram. List Price ...



#### Model 73A Lapel



List Price

Highly efficient and faithful in voice reproduction, due to new Shure diaphragm design and improved mechanical system. Free from "background" noise and vibration pick-up. Diameter only 2". Weight, less cord. under 2 oz.! Baked rubber-black hnish. Equipped with special spring lapel clip and 25 feet of shielded single-conductor black mercerized cotton-covered cordage. Shipping weight, ¾ lb.

\*\*S25\*\* Model 73A. Code: Rulap. List Price ....

#### Model 11B Two-Button Hand Microphone

High quality two-button "close-talking" hand microphone. Especially suitable wherever the level of "crowd" or background noise is high. Modern chrome-finished case; rubber-black handle. Suspension eye at top. Case diameter 3 ½". Length 9". Net weight, 1½ lbs. Shipping weight, 1½ lbs. Complete with 6 ft. color-coded three-conductor cord.

Model 11B. Code: Rudil. \$15

List Price

Code: Rubom. List Price.....

Model 11CS. Same as Model 11C, but with "press-to-talk" switch in handle. \$ 1650 Code: Rubot. List Price.

Model W10A (formerly 124). Carbon Granules. Recommended for experimental work only. Packed in capsule or vial. Code: Rugun. List Price. \$1

Use our unique Microphone Repair Service Write for Data Sheet

#### Model 70S "Communications-Type'



cuts through noise and static. No transmitter changes—connect as you would an ordinary crystal microphone. Finished in polished chromium plate and baked rubber black enamel. Complete with integral Desk Mount and 7 feet of shielded two-conductor, rubber-jacketed cable. Net weight, 2 lbs. Shipping weight, 2½ lbs.

Model 70S. Code: Rurak. List Price.

Model 70SP. Same as 70S, but without Desk Mount. Includes 7 ft. Two-Conductor shielded cable and 4 'Quickway' hooks. Code: Rural. List Price.

S22.50

Model 70SP 35FT Same as 70SP but with 35

#### Model 70D





#### Model 70C

Consists of Shure "70" Crystal Microphone Head with integral Microphone Head with integral two-stage preamplifier in attrac-ive, modernistic "camera type" case. Rubber-black finish. Height '76 tubes, suspension adapter, and 12ft. cable. Shipping weight, 3½ lbs.

#### Model 70E(with Remote Preamplifier)



Shure "70" Crystal Microphone Head on S32C Modernistic Desk riead on 532C Modernistic Desk Stand, with 70A Remote two-stage Preamplifier. High qual-ity reproduction. Beautiful ap-pearance. Complete with tubes. Shipping weight, 9 lbs. Model 70E. Code: Rurag.

List Price....

#### Model 70A Crystal Preamplifier

Two Stage preamplifier flat within 2 db from 60 to 8,000 cycles. Approximate gain 55 db. Furnished with two type '76 tubes. Neat, trim, black japanned steel case. Length 8", Width 3", Height 4½". Shipping weight, 3½ lbs.

Model 70A. Code: Ruraf. List Price.

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phones are der patents Developmen Shure pater

### Model 41L Power Supply

Operates from 115 volt, 50 to 60 cycle A.C. line and supplies all voltage requirements for all Shure Preamplifiers and preamplifier model Microphones except 40 Series. Free from hum. Length 8", width 3½", height 6½". Complete with '84 tube, plug for microphone cable, and A.C. cord and plug. Shipping weight, 5½ lbs. Model 41L. Code: Ruwis. List Price....\$20



Data Sheets are Available on All Items

W. HURON STREET 215

SHURE BROTHERS

#### CRYSTAL (Piezo-Electric) TYPE

#### Volume Controls for Crystal Microphones



Now, for the first time, speakers, soloists, and announcers can control the volume of a crystal microphone. . . smoothly . . noiselessly . . . with complete freedom from unwanted "tone-control" effects! A new capacity attenuator, developed by Shure engineers, has made this possible. The unit is small and compact (4" by 2" by 2") and mounts on any Shure Stand. Finish is standard rubber-black with chrome and black "Volume" escutcheon. Convenient ON-OFF switch, independent of volume control is provided. Cable may be run through stand tubing if desired. Shure Volume Controls are supplied in two types: "Demountable," with receptacle for 74B and 70H-79AC Microphones, and "Coupling" type threaded %8"—27 for Model 70H. Both types are supplied with 25 or 50-foot lengths of single-conductor, rubber-jacketed shielded cable. For best results the cable should not be lengthened or shortened—use the full length supplied with the unit.

Model V21A. Crystal Microphone Volume Control. "Demountable" Type with 25-tiont cable

Model V21A. Crystal Microphone Volume Control. "Demountable" Type with 25-100t cable. Shipping weight, 2¾ lbs. Code: Rugos \$1250

Model V22A. Crystal Microphone Volume Control. "Demountable" Type with 50-foot cable. Shipping weight, 3½ lbs. Code: Rugat \$15 List Price .....

Model V11A. Crystal Microphone Volume Control. "Coupling" Type with 25-foot cable. Code: Rugap. \$1250

trol. Coupin Code: **Rugar.** \$15 List Price ...

Model 70H-V11A. Crystal Microphone with Volume Control. Shure 70H mounted on Volume Control with 25-foot cable. Shipping weight, 3 3/4 Code: Rugow.

Model 70H-V12A. Crystal Microphone with Volume Control. Shure 70H mounted on Volume Control with 50-foot cable. Shipping weight, 41/2 Code: Rugoy. \$3750 List Price

#### Model A80A Stand Switch



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of The Brush

Company.

ts pending.

New handy stand-mounting on-off switch which can be used with any type microphone. Small attractive cast-aluminum case, with rubber-black enamel finish. Standard ½".27 thread fits all Shure Stands. Overall height, 2½". Shipping weight, ¼ lb.

Model A80A. Stand Switch. Code: Rudam. \$250

#### Shure Model 71AS Crystal Hand Microphone



"Close Talking" type. Handsome chrome-finished case with rubber-black handle. "Push-to-talk" switch in handle. 7 ft. of special shielded, single conductor cable. Diameter of case 3 ½". Overall length 9". Shipping weight, 1½ lbs.

Model 71AS. Code: Rurec. \$2650 List Price

Model 71A. Crystal Hand Microphone. Same as Model 71AS but without switch. \$25 Code: Rureb. List Price

71BS but without switch. Code: Rurig. List Price..... Model 74B "Spheroid"



For the first time—a crystal microphone combining High Output Level, true "Wide-Range" Reproduction and Non-Directional Pickup! Sound reaches the small Curvilinear diaphragm through a complete angle of 360 degrees with a frequency response from 40 to 10,000 cycles. Response is non-directional for

Response is non-directional for sound approaching from any angle. Special "Grafoil" Bimorph Crystal, "cantilever" actuated, lowers cable losses. Overall diameter 2½". Rubber-black finish with chromium circles. Furnished with new ish with chromium circles. Furnished with new locking, shielded, moisture-proof 3-conductor plug, convertible receptacle for stand or suspension use, and cable strain relief. (No cable furnished—see C10A and C20A listings.) Net weight, 7½ oz. Shipping weight, 1 lb.

Model 74B. "Spheroid" Crystal Microphone.
Code: Rugor.

\$3750
List Price.

List Price

#### Model 75A Spherical Crystal Microphone



A new economical Shure Non-Directional Crystal Microphone Directional Crystal Microphone with wide-range response! Acoustic streamlining and scientific placement of the small curvilinear diaphragm insure non-directional response for sound approaching from any angle. Crystal element is a genuine "Bimorph" unit, "Cantilever" actuated. Only 2½," in diameter. Rich rubber-black finish. Mounts on any Shure Stand. Complete with "side cable outlet" and 25 feet of shielded single-conductor, rubber jacketed cable. Shipping weight, 1½ lbs.

weight, 11/2 lbs.

Model 75A. Spherical Crystal Microphone \$32 Code: Rugus. List Price. . . .

#### Model 60C Contact-Type Crystal Microphone (formerly 72B)



For sound and vibration pickup in studies of machine noise and vibration, reproduction of stringed

reproduction of stringsd musical instruments, interception of sound through walls in criminal investigation work, and many other applications. High efficiency obtained with minimum acoustic pickup. 1½4" long, 1" wide, ½4" high. Mounting lugs provided. Chromium plated. Complete with 7 feet of single-conductor, rubber-jacketed shielded cable. Net weight, including cord, 5 oz. Shipping weight, 10½ oz.

Model 60C. Code: Rutac. \$2250 List Price

#### Model 65A "Stethophone"



A new improved, non-acoustic piezo-electric de-vice for pickup of heart and chest sounds for re-production or recording. High output level achieved

High output lew: a chieved through new design principle. 3½4" long. Net weight (not including the cable). only 5½ oz. Contrasting chromium and witch. Furnished complete with removable strap (useful when making long observations) and 7 feet of shielded single-conductor cable. Shipping weight ½4 lb.

Model 65A. "Stethophone." \$3500 Code: Rutab. List Price.....

#### HIGH-FIDELITY

#### "Wave-Equalized" Models CRYSTAL and CONDENSER Types

All Shure High-Fidelity Wave-Equalized Models listed below are flat within only 2 db (for the crystal type) and 4 db (for the condenser type) from 40 to 10,000 cycles.

#### Model 77D Crystal Model 43D Condenser



High-Fidelity instruments with the Shure "Wave-Equalized" principle. May be suspended overhead or mounted on stand. High output level and standard 200-ohm output impedance. High-gain integral two-stage preamplifier. Complete with one '6C6 and one '76 tube, 25 ft. of shielded power cable and suspension adapter. suspension adapter.

Model 43D. Condenser Microphone. Code: Rulet. \$150 \$150 List Price ...

Model 77D. Crystal Microphone. Code: Ruric. List Price......\$150

#### Model 77E Crystal Model 43E Condenser



Shure "43" Condenser or "77" Crystal Head mounted on S32C Modernistic Desk Stand with ernistic Desk Stand with a special high-gain two stage "Wave-Equalized" preamplifier. Furnished with one '6C6 and one '76 tube, 7 ft. of low capacity cable with plug, and 25 ft. of shielded power cable.

Model 43E. Condenser Microphone. \$165

\$165 \$165 Code: Rurid. List Price

#### Model 77F Crystal Model 43F Condenser

Shure "43" Condenser or "77" Crystal Head mounted on S59A Floor Stand with high-gain two-stage "Wave-Equalized" preamplifier in base. Includes one '6C6 and one '76 tube, and 25 ft. of shielded power cable.

Model 43F. Condenser Microphone. Code: Rujem. List Price Model 77F. Crystal Microphone. Code: Rurif. List Price \$190

#### Model 77H Sound-Cell Crystal Microphone

High quality "wide range" crystal microphone. Consists of a genuine Brush Sound-Cell, specially mounted in a beautifully designed chromium plated case. Complete with "close-fitting" ring and 7 ft. of shielded low-capacity cable.

Model 77H. Code: Rurib.

\$80

List Price. . .



#### Model 78HB Wide Range Sound-Cell Type

A small, demountable Wide-Range crystal microphone. Excellent frequency response from 30 to 10,000 cycles. Contains 30 to 10,000 cycles. Contains a genuine Brush Sound-Cell—
no diaphragm. Chromium plated overall. Only 1½" in diameter. Height 2". Complete with integral plug, stand receptacle and strain relief. Cable not included.

Model 78HB.

Code: Rulad. List Price

DATA SHEETS AVAILABLE ON ALL ITEMS

CHICAGO, U. S. A.

"MICROPHONE HEADQUARTERS"

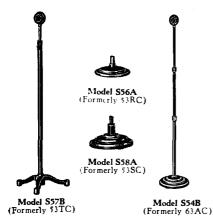
## SHURE STANDS and UNIT ACCESSORIES

Shure Stands, designed by microphone specialists familiar with every phase of microphone service, have become the accepted standard due to their convenience, distinctive modern design, rugged construction and moderate cost. A complete range of types and styles solves every microphone mounting problem.

All stands (except Model S30B) are now listed without rings, which must be ordered separately. Unless otherwise specified, standard finish is a beautiful rubber black with chromium plated trim. Special finishes are available to order at additional cost. Standard thread on all stands and fittings is  $\frac{1}{2}$ "-27.

#### Floor Stands

All Shure Floor stands have the exclusive "Automatic Friction Lock." You simply raise, lower or turn the microphone... no thumb screws or wing nuts... no rattling or sudden dropping! The proper degree of friction is adjusted by rotating the chromium collar at the top of the barrel. Cables may be run through tubings, or outside with a P50A Side Cable outlet. Effective height adjustment 43" to 68". Finish is standard rubber-black with chromium plated trim. Standard \%"-27 thread. Rings are not included, and must be ordered separately.



Model S56A (formerly 53RC). Floor Stand. "Round" Base. Base Diameter, 101/4". Net weight, 11 lbs. Shipping weight, 121/2 lbs. \$1350 Code: Ruvos. List Price.

Model \$57B (formerly \$3TC). Floor Stand. 3-leg "Tri-Ped" Base. Leg spread. 15½". Net weight, 13½ lbs. Shipping weight, 15¾ lbs. Code: Rugart.

Model \$58A (formerly \$3SC). Floor Stand. Large, heavy "Modernistic" round base. Base diameter, 12½". Net weight, 14½ lbs. Shipping weight, 16 lbs. Code: Ruvim. \$1750

Model S59A (formerly 53BC). Floor Stand. Modernistic extra-heavy base, with space in base for preamplifier or power supply. Effective height adjustment 48" to 73". Base diameter, 15". Net weight. 291/4 lbs. Shipping weight. 331/2 lbs. Code: Rudal. \$3650 List Price

Model S54B (formerly 63AC). Floor Stand. A light weight Utility stand with three extensible sections. Modernistic base, 10½" in diameter, finished in black "Wrinkle" enamel. Height adjustment 25½" to 62½". Net weight, 8½ lbs. Shipping weight, 8½ lbs. Code: Rucov.

#### Stand Adapters

Model A20A (formerly \$15RCA). Adapter. For mounting microphones with ½" Pipe Thread on any shure Stand (½"—27 thread). White nickel plated. Shipping weight ¼ lb. Code: Rudap List. \$1.00 Model A21A (formerly \$15CRY). Adapter. For tounting microphones with ½" Pipe Thread on any Shure Stand (½"—27 thread). Chromium plated. Code: Rujec. List. \$1.00 shock and vibration. Installed between microphone and any Shure Stand. Code: Ruvor. List Price. \$1.00 Code: Ruvor. List Price. \$1.00

#### Desk and Banquet Stands



Model S30B (formerly 60N). "Special" Desk Stand. A small desk unit for Carbon Microphones complete with 5" ring. Modern beveledged design, beautifully finished in chromium plate overall. Cord entrance in base. Complete with 8 rustproof prings. Base diameter, 41/4". Height overall, 7". Net weight 1 lb. Shipping weight, 11/4 mep.

lbs. Code: Runep.
List Price.
\$350

Model S31A. Desk Mount. A short, non-adjustable, desk-type mount of proper height for operating table. Cord entrance in base. Rubber black finish overall. Base diameter 44/4". Height, 63/4". Net weight, 1 lb. Shipping weight, 1 l/4 lbs. Code: Rujab. \$3



Model \$41A (formerly 61AC). Banquet Stand. A lightweight "utility" stand, finished in polished nickel plate. Non-adjustable. Cord entrance in base Base diameter, 4½". Height 10". Not weight, 1 lb. Shipping weight, 1½ lbs. \$350 Code: Rujak. List Price.

Model S32C (formerly Modernistic Desk Stand. A new adjustable desk stand with the exclusive Shure "Automatic Friction Lock!" Beautiful modern design. with three chromium circles on base contrasting with the rich rubberblack finish. Base diameter, 6". Height, adjustable from 7" to 11". Net weight. 3½ lbs. Shipping weight, 3½ lbs. Code: Rudes. \$650 List Price



Model \$42C (formerly 52DC). Modernistic Banquet Stand. A companion unit to Model \$32C listed above, useful where greater height is needed. Height range, 15" to 22". Net weight, 3¼ lbs. Shipping weight, 4¼ lbs. Code: Rukof. \$750 List Price.

#### Rings and Springs



Model R20B (formerly 50). Standard Ring. A sturdy full-size. 6" ring for carbon microphones. Attractive bevell-edge design. "Quickway" Hooks (Pat. Pend.) for quick mounting. Chromium plated. Complete with 8 rustproof springs. 1 lb. Code: Ruket. List Price. \$2.50

Model R10A (formerly 60R). Ring. A light 5" ring for small carbon microphones. Chromium plated. Shipping weight, 34 lb. Complete with 8 rust-proof springs. Code: Rujes. List Price \$2.25

Model R10B. Ring. Same as R10A but bright nickel plated. Code: Rujam. List Price \$2.00

Model A31A (formerly 54S). Springs. Short length for R10 Rings. Rust-proof. Code: Rukop. Set of eight. List Price...................................\$1.00



Model A35A (formerly 50A). Suspension Adapter. Chromium plated. 1/8"—27 thread. Shipping weight. 1/4 lb. Code: Rudem. List Price. \$1.50

#### Plugs and Receptacles



Model P10B. Plug. Three-conductor type. Threaded locking ring and water-proof strain-relief gasket cap. May be used to convert "non-demountable" microphones to demountable type. Chromium plated. Shipping weight, ¼ lb. Code: Rulab. List Price. \$1.00



Model P20B. Receptacle. Three-conductor type, complete with strain-relief gasket cap. Fits P10B Plug. Chromium plated. Shipping weight, 1/4 lb. Code: Rulam. List Price......\$1.00

Model 79P. Plug. Two-Conductor Telephone Type. Fully shielded. Chromium plated. Shipping weight, 1/4 lb. Code: Rurik. List Price.......\$2.25

Model 79R. Receptacle. Fully-shielded cable-connector type receptacle for 79P Plug. Chromium plated. Shipping weight, 1/4 lb. Code: Ruril. List Price. \$2.50

#### Cable Fittings

Model P40C. Stand Receptacle. Locking three-conductor, fully shielded type. Mounts on any Shure Stand. Useful for converting "non-demountable" microphones to "demountable" type. A P51A Strain Relief (See description below) is included. Standard rubber-black Shipping weight, ¼ lb. Code: Rulir. List Price. \$1.25





Model P50A. Side Cable Outlet. Brings cable outside stand. Self strain-relief feature. Rubber-black finish. Code. Rupak. List Price........75c

Model P52A. Cable Guide. Holds cable neatly beside stand. Attached to tubing near base. Rubberblack finish. For S54B (formerly 63AC) Floor Stand. Shipping weight ¼ lb. Code: Rujov. List Price. \$1.00



#### Cable

Good cable is **essential** for proper operation of crystal microphones.

Shure Crystal Cables are specially designed for low capacity and high insulation resistance, manufactured to rigid standards and carefully tested and inspected. Recent developments have made possible a cable with still lower capacity than was previously

Available in bulk, any length, or in special convenient trimmed lengths at no extra charge.

Model C10B (formerly 81L). Crystal Microphone Cable. Single-conductor type, shielded with overall rubber jacket. Diameter, 7/32". Weight, 3 lbs. per 100 feet. Standard trimmed lengths are 7, 20, 25, 35 and 50 feet. Code: Rurim. List Price, per foot. 10c

Model C20B (formerly 80L). Crystal Microphone Cable. Two-Conductor type, shielded, with overall rubber jacket. Diameter, ¼". Weight, 4 lbs. per 100 feet. Standard trimmed lengths are 7, 20, 25, 35 and 50 feet. Code: Rubat. List Price, per foot. 15c

DATA SHEETS AVAILABLE ON ALL ITEMS