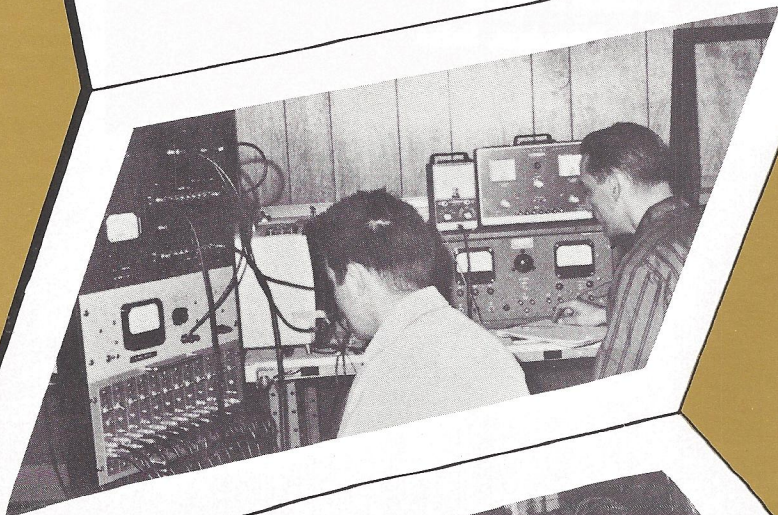


**Fantastic
VIKING**



A Message from the Vice President, Sales

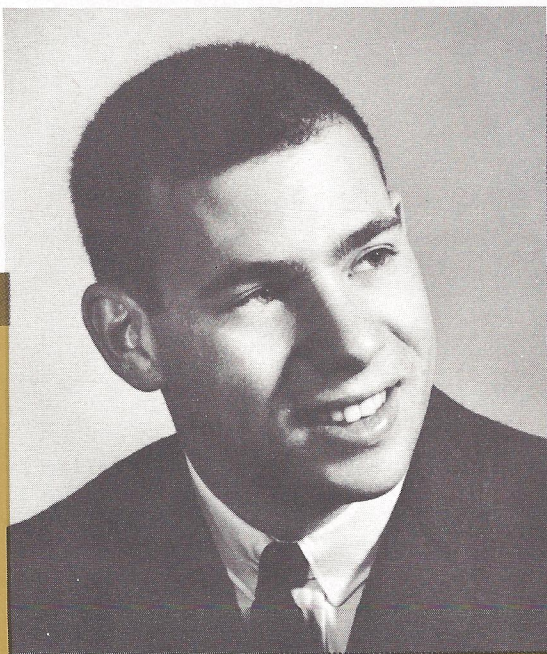
VIKING looks to the future —

THE FUTURE OF OUR COUNTRY
THE FUTURE OF OUR INDUSTRY
THE FUTURE VIKING WILL PLAY IN THE GROWTH AND
EXPANSION OF COMMUNITY TELEVISION

VIKING has expanded in size, product engineering and sales with the ever growing CATV industry, in order to give you, our customers, the best in products and service. We pledge never to vary from the promise, "To supply the finest quality merchandise that modern resources, improved engineering, tight quality control and superior production can provide." VIKING provides these features and services at competitive prices, thereby reducing system costs through the purchase of quality cable, equipment and related products.

VIKING is grateful to the vast numbers of systems who have accelerated our expansion and who have at the same time profited from the use of our products. We will continue to serve the CATV industry in every way possible, and we shall always remember that it is we, who need you, our customer.

With this thought in mind, we will fulfill our dedication to this relatively new, but progressive industry, that adds to the enrichment of the entertainment and education of our great nation.



ROBERT BAUM
Vice President, Sales



what is a **viking**

a **viking** is

BRAVE	BRAVE IN THE ADVANCEMENT OF NEW PRODUCTS FOR THE INDUSTRY.
COURAGEOUS	COURAGEOUS IN PRICING PRODUCTS BELOW EXISTING MARKETS.
ADVENTUROUS	ADVENTUROUS IN SEEKING NEW HORIZONS IN PRODUCT DESIGN AND ENGINEERING.
BOLD	BOLD IN APPROACHING INDUSTRY PROBLEMS AND SOLVING THEM.
DEDICATED	DEDICATED TO SERVING THE CATV INDUSTRY WITH THE FINEST IN QUALITY, SERVICE AND DEPENDABILITY.
WARLIKE	WARLIKE IN HIS ATTACK ON INFERIOR INDUSTRY PRODUCTS AND PRACTICES.
RUGGED	IN DESIGN OF RUGGED PRODUCTS AND IN PRODUCT SERVICE.
VIGOROUS	VIGOROUS IN HIS EFFORTS TO SERVE YOU.
PROUD	PROUD OF HIS REPUTATION FOR MAKING ONLY THE BEST.



BE A VIKING—JOIN US

Arthur Baum
President

Robert Baum
Vice President, Sales

Theodore Baum
Vice President, Manufacturing

Allen Lipp
Director of Sales

advanced technology in CATV products and systems

VIKING's success in the CATV cable and components field is no accident. It has evolved from a carefully planned development of an extremely versatile organization with associated manufacturing and testing facilities. Viking's experience in meeting the exacting requirements of our customers has resulted in new concepts of transmission systems and new techniques for their manufacture. We, at Viking, are proud of our contributions to the technology in the CATV field and to that of cable and electronics engineering in general.

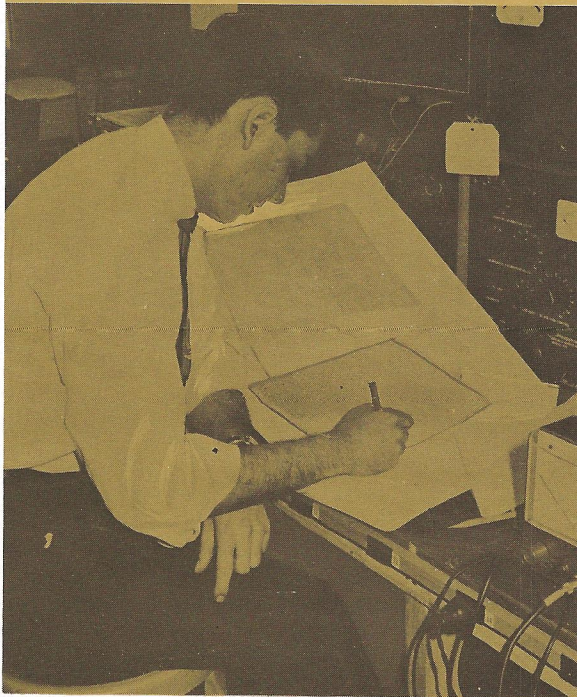
Our objectives in publishing this catalog is to introduce to you the modern and extensive facilities of Viking and to present Viking's flexibility and capability for quick response to the needs of the industry. These objectives can only be met by a management and technical organization well trained in the CATV field as well as in engineering and manufacturing concepts.

The combination of experience and responsibility provides the assurance of quality engineering, quality manufacturing and quality service.



viking





Viking engineers and scientists are well versed in the overlapping disciplines of communications, electronics and transmission line technology. With this background they have developed performance data, fabrication techniques and a scientific understanding of CATV systems and component technology that is probably the most complete in the industry.

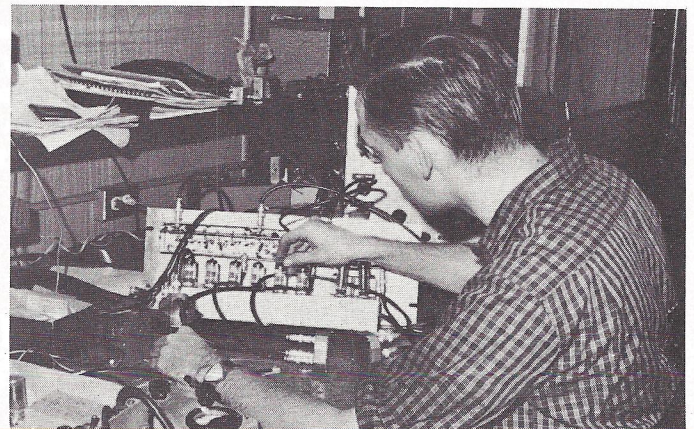
Viking is continually searching for new materials, circuits and technology that will extend the performance range of the basic CATV systems. Components and techniques currently proving advantageous in other allied fields are continuously being evaluated for CATV applications. A continuing program of research and evaluation is underway to produce combinations, that will offset inadequacies and develop new combinations with the

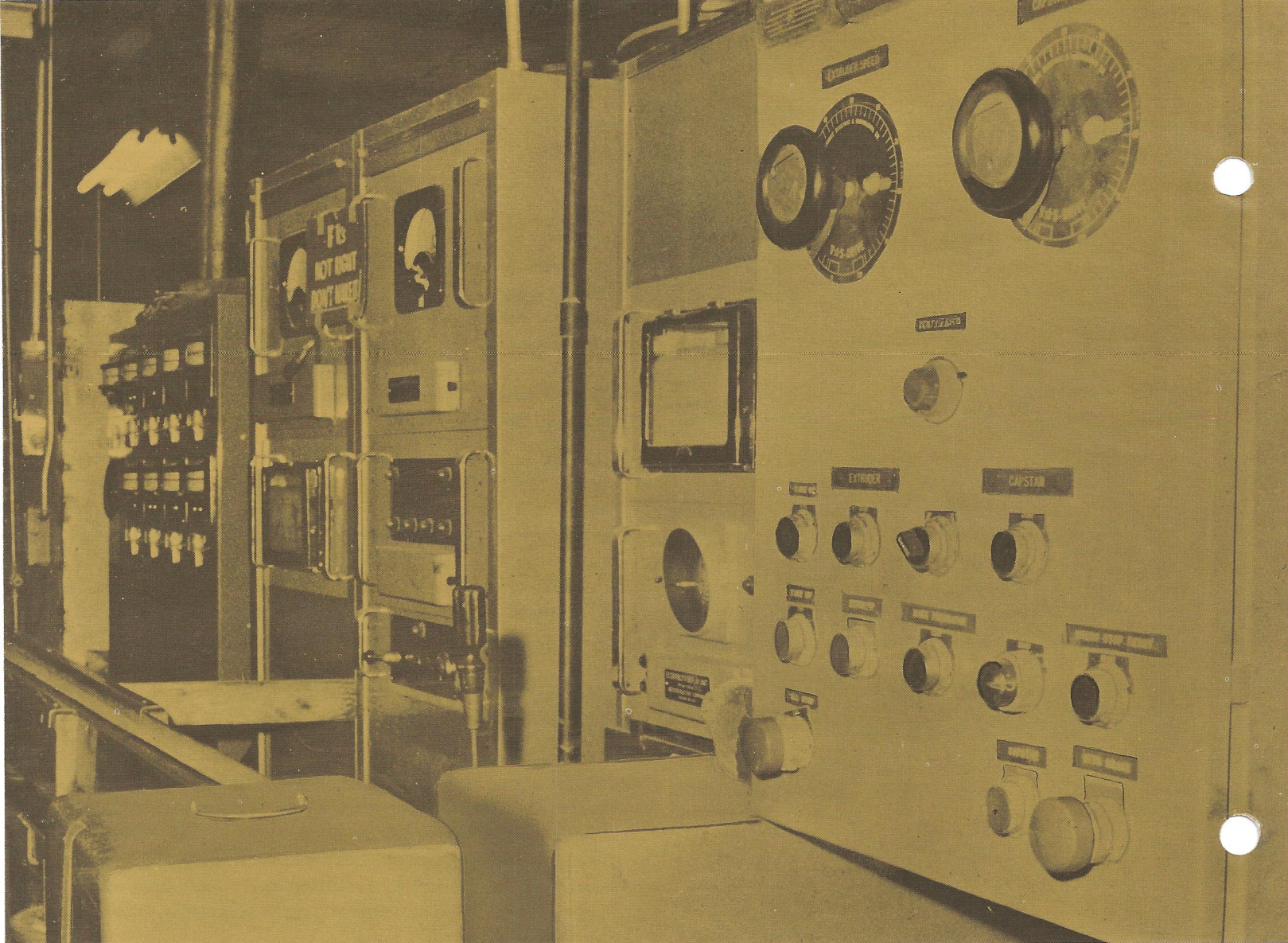
research and engineering

ultimate goal of maximum reliability. An extensive knowledge of material compatability is involved as well as technological ingenuity in processing. Years of experience, our own technical publications library and modern sophisticated laboratory facilities is the well from which our engineering and scientific talent is constantly drawing.

Product development and engineering is but one phase of engineering responsibility at Viking. The engineering required to support our manufacturing operation is also quality oriented. Industrial and manufacturing engineering groups are constantly alert to methods of improving machinery, test facilities and manufacturing processes. This, judiciously enhances the effectiveness of product designs and offers the highest degree of assurance that Viking will continue to be a leader of CATV developments.

viking



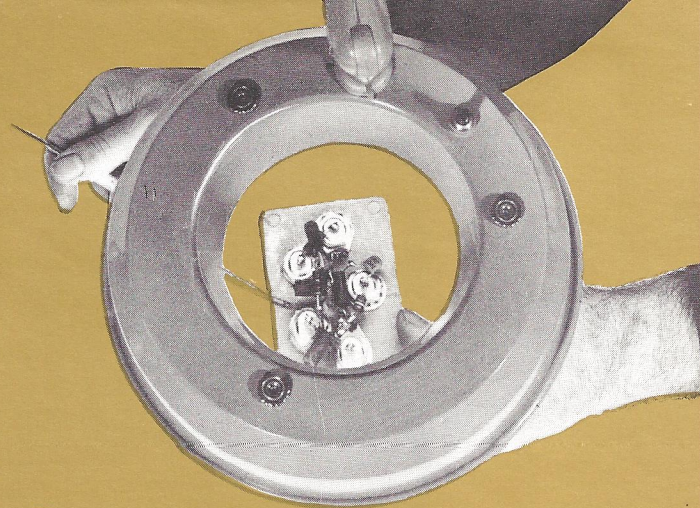
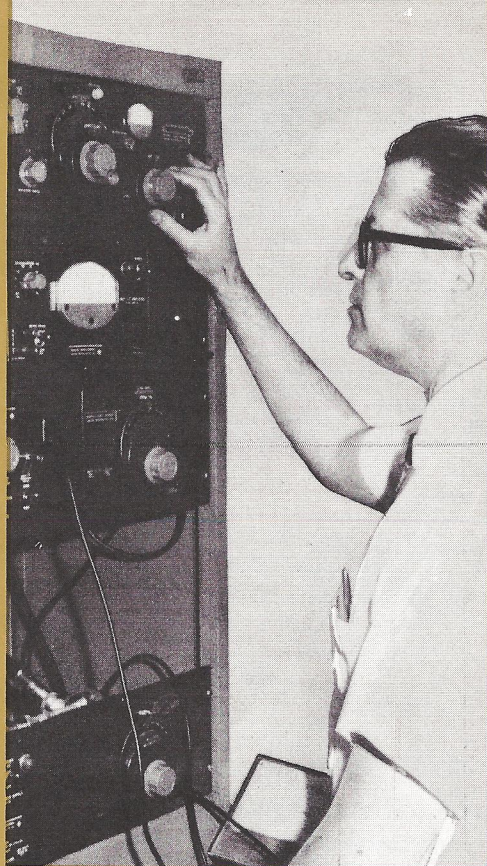


Quality does not start here, nor does it end here, but the implementation of the Viking program has its heart in the production department. At Viking, manufacturing is a systematic process of designing, planning, controlling, recording and accounting. It is so organized that the movements of materials, performance of machines and operations of labor are directed and coordinated – in standardized fashion – toward the fulfillment of customers requirements for quality products.

The use of modern precision equipment with numerous in-process automatic controls helps build quality into Viking products. Highly trained manpower under engineering supervision operates as a team, assuring no compromise in the basic capability to produce to close tolerances and to modern engineering designs.

manufacturing



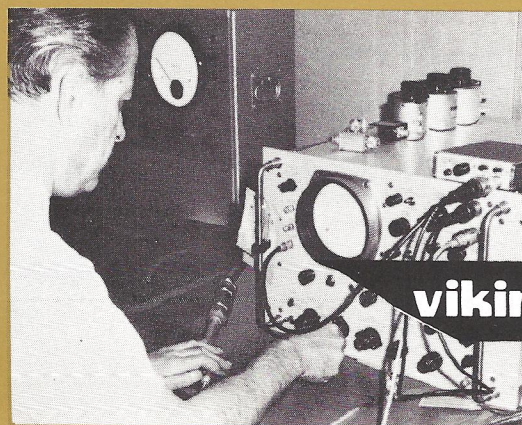
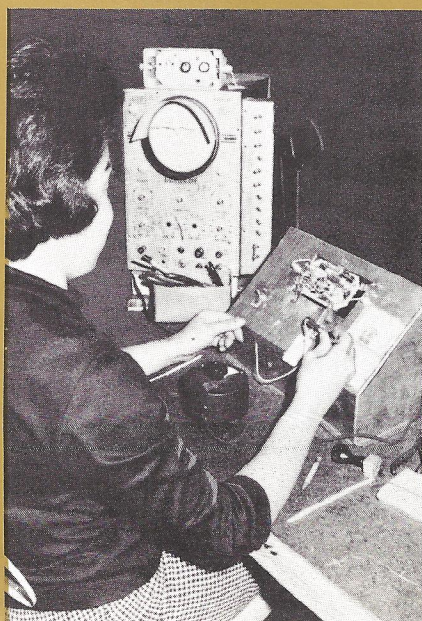
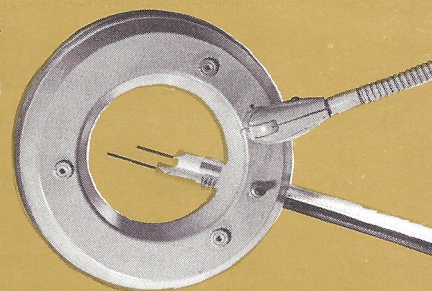


quality control

Quality can never be tested into a product — it must be built in — from end-to-end. Viking's quality assurance program starts with the incoming inspection of all raw materials, continues throughout the manufacturing cycle and never ends until all feed-back from customers and laboratory tests are evaluated and improvements are incorporated into the product or process.

A complete modern and technically managed quality control laboratory is the pride of Viking. Extensive facilities are available for testing and evaluating physical, environmental, shock and vibration, electrical and chemical characteristics of materials and components. Shielded rooms are also available for radiation studies and to minimize ambient noise levels when evaluations in pure environment are required. In addition, Viking has complete facilities for the examination and calibration of manufacturing tools, jigs, fixtures and test equipment.

Extensive laboratory and in-process testing is constantly underway, augmented by component evaluation in a closed circuit CATV system that is installed in and near Viking's plant facilities. Detailed analysis of all test data and feed-back constitutes a major factor in Viking's successful quality assurance program — devoted to the attainment of the highest quality products for CATV.



viking



viking



a complete source for all your **CATV** system requirements

Coaxial Cable

The most complete line of mainline, trunk
and drop cable constructions available

VIKAL ALUMINUM

COPPAFLEX

STRAND BRAID CABLES

MESSENGER CABLES

Solid seamless aluminum sheathed
(Optional polyethylene jacket available)

Ribbed corrugated copper shield with
a polyethylene jacket

All constructions are available with or
without integral messenger wire.

Equipment

AMPLIFIERS

SPLITTERS

TAPS

BALUNS

TRANSFORMERS

COUPLERS

CONNECTORS

FITTINGS

Tube and Solid-State types

Regular and Hybrid

Directional, Single and Multiple Types, Pressure, Backmatch

All Types, Blocked, AC Passing, Set, Weatherproof

Including New 75 OHM "SM" Series

Direct Entry for all Common Cables

Installation Hardware

ENGINEERED PRODUCTS – CABLE AND
EQUIPMENT – SPECIFICALLY DESIGNED TO
MEET YOUR CRITICAL CATV REQUIREMENTS

viking



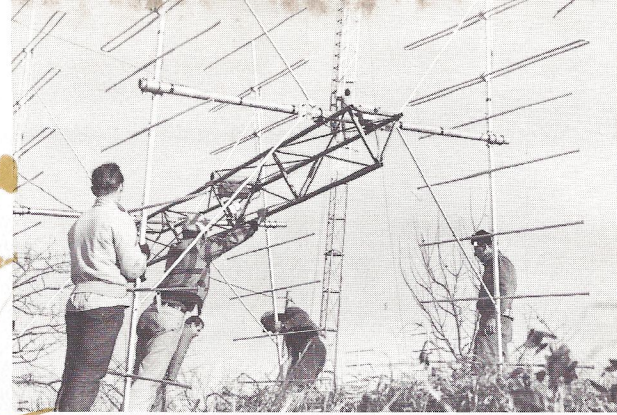
THE STANDARD OF THE CATV INDUSTRY

830 Monroe Street, Hoboken, New Jersey ■ Call Us Collect: New York: (212) WH 3-5793, Hoboken: (201) OL 6-2020

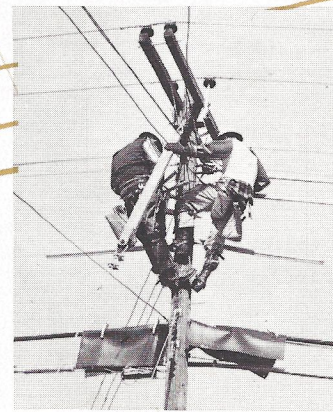
WIRE WU: WUX-JHB, HOBOKEN, N. J.

Litho in U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE



turnkeys



Probably the three most important factors that a CATV system owner is concerned with are the initial cost, reliability, and quality of delivered signal. We are able to prove that our concept of systems design provides the most satisfactory answers to all three of these questions.

Of prime consideration is the necessity for reducing the number of active components in a system and the necessity for using the very best cable, loss wise, that can be obtained.

It is astonishing to note that the entire distribution segment using our method requires only one active device. An excellent use is made of high isolation directional couplers to generate distribution legs. This procedure provides the most passive, and therefore the most reliable, distribution method obtainable today.

Viking's High-Level System construction would be approximately 30% less in cost than a similar low-level system. This percentage would depend to a large degree on the ratio of distribution to trunk. As the trunk percentage decreases, the cost difference between the two methods becomes greater, as fuller advantage of our more efficient distribution technique can be obtained.

Experience tends to indicate that a high reliability system is one containing isolated distribution sections arranged in such a fashion that a fault in one portion of the distribution area cannot influence the performance in another portion.

The more times a signal is handled with an active device, the more degradation is going to be introduced into the signal. We have designed our systems as passively as possible and yet retained isolation advantages. Passive devices require far less attention and are, therefore, less costly to operate. In most turnkey systems little thought is given by the system builder to the maintenance cost liable to be incurred in the operation of the system. We feel that our approach to system construction is the only approach that comes close to the goal of a "Passive System" and at the same time provides outstanding performance when examined from the viewpoint of cost, reliability and quality.

viking

financing



Taking into consideration the cash requirements of an infant CATV system, Viking has developed a unique leasing plan which offers low payments in the early years of operation and which is designed to protect the operator's cash position so that he can promote his system effectively. This plan is available for turnkey construction, rebuilds and extensions, and for construction by the operator of his own system.

Viking CATV leasing has unique advantages:

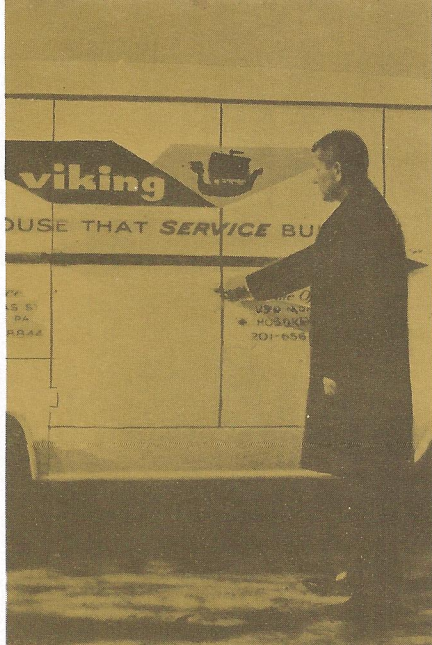
1. Offers 100% financing on hard to beat terms
2. Protects your equity position by elimination of stock dilution
3. Presents a better balance sheet to your routine creditors
4. Allows payments to be made with earned dollars rather than from working capital
5. Offers more leverage to the operator with several franchises to construct
6. Simplifies your accounting procedure
7. Frees your working capital and requires monthly payments which are more easily provided for than semi-annual or annual loan payments.

Subject to approval of credit and the signing of certain contractual agreements — Anything can be leased! Contact Mr. Ted Baum at the Viking home office for further details.



DISTRICT SALES OFFICES

Hoboken, New Jersey—830 Monroe Street—201 OL 6-2020
 New York, New York—212 WH 3-5793
 Atlanta, Georgia—Fulton Federal Building, Suite 908—404 52 3-8379
 Dallas, Texas—56-35 Yale, Room 212—214 EM 3-8054
 Lewistown, Pennsylvania—17 S. Dorcaus—717 248 8844
 Omaha, Nebraska—119 South 19th Street—402 341-1443
 Los Angeles, California—1001 Glendale Blvd.—213—386-3030



sales and service

The recognized leader for complete service to the CATV industry is Viking!

For many years the voice of a Viking sales representative, heard over the telephone, has reminded the System Manager to think ahead for his cable, component and material needs. This same sales representative, again via the telephone, has been the link in providing application engineering data from the Viking laboratory to the specialist in the field. Viking is the first and only company to say "CALL COLLECT - IT'S OUR PLEASURE", for this is an indication that you are thinking of Viking, a name synonymous with service.

The rapid growth of the CATV industry in conjunction with Viking's growth has necessitated expansion of our field sales service. Expanded regional sales offices are now centrally located in all areas of the nation, still no further from the home office than your nearest telephone.

Viking's Regional Sales Division displays the same flexibility and capability for quick response as does the rest of the Viking organization. The latest innovations in sales service, the SALES-MOBILE and now the AIRMOBILE, are available to service the needs of the CATV specialist, right on the job site if necessary. All of Viking's sales divisions are dedicated to servicing our customers needs, providing them with the opportunity to look, try and buy the newest and finest quality products that are available in the industry.

No other manufacturer or supplier provides this complete sales service. This is an excellent reason to think Viking - and then buy Viking.

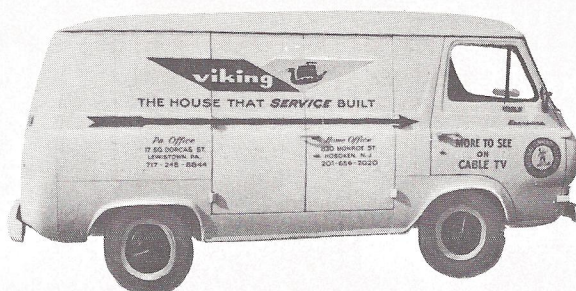
Viking's creative skill is at your disposal.

When technological reliability is a factor in your system design - call Viking.

As simply as that, you will have interested a staff of specialists who will work with you toward the accomplishment of your design.

VIKING IS THE ONLY COMPANY IN THE CATV INDUSTRY WHO MANUFACTURES BOTH COAXIAL CABLES AND COMPONENTS FOR CATV APPLICATIONS - EACH ITEM MANUFACTURED AND DESIGNED FOR SYSTEM COMPATABILITY!

Call Hoboken, N.J. COLLECT
201: 656-2020
for your local area man or
for immediate service.



The most serious
 threat to your
 system
 is the unknown

The most serious threat to your system is the unknown. The only way to protect your system is to know what you're getting.

YOUR ADVANTAGE

COMPLETE

STWARD BUILT CABLES

WESTERN BUILT CABLES

EQUIPMENT

INVERTERS

SWITCHES

TAPS

BATTERIES

TRANSDUCERS

COUPLERS

CONNECTORS

FITTINGS

The most serious threat to your system is the unknown. The only way to protect your system is to know what you're getting.

viking

SOLID SEAMLESS VIKAL

ALUMINUM SHEATHED COAXIAL CABLES

NOW IN 1/2 MILE LENGTHS

TWICE THE LENGTH OF THE EMPIRE STATE BUILDING

Also Super Match Connectors

WHAT THIS EXTRA LENGTH MEANS TO YOU

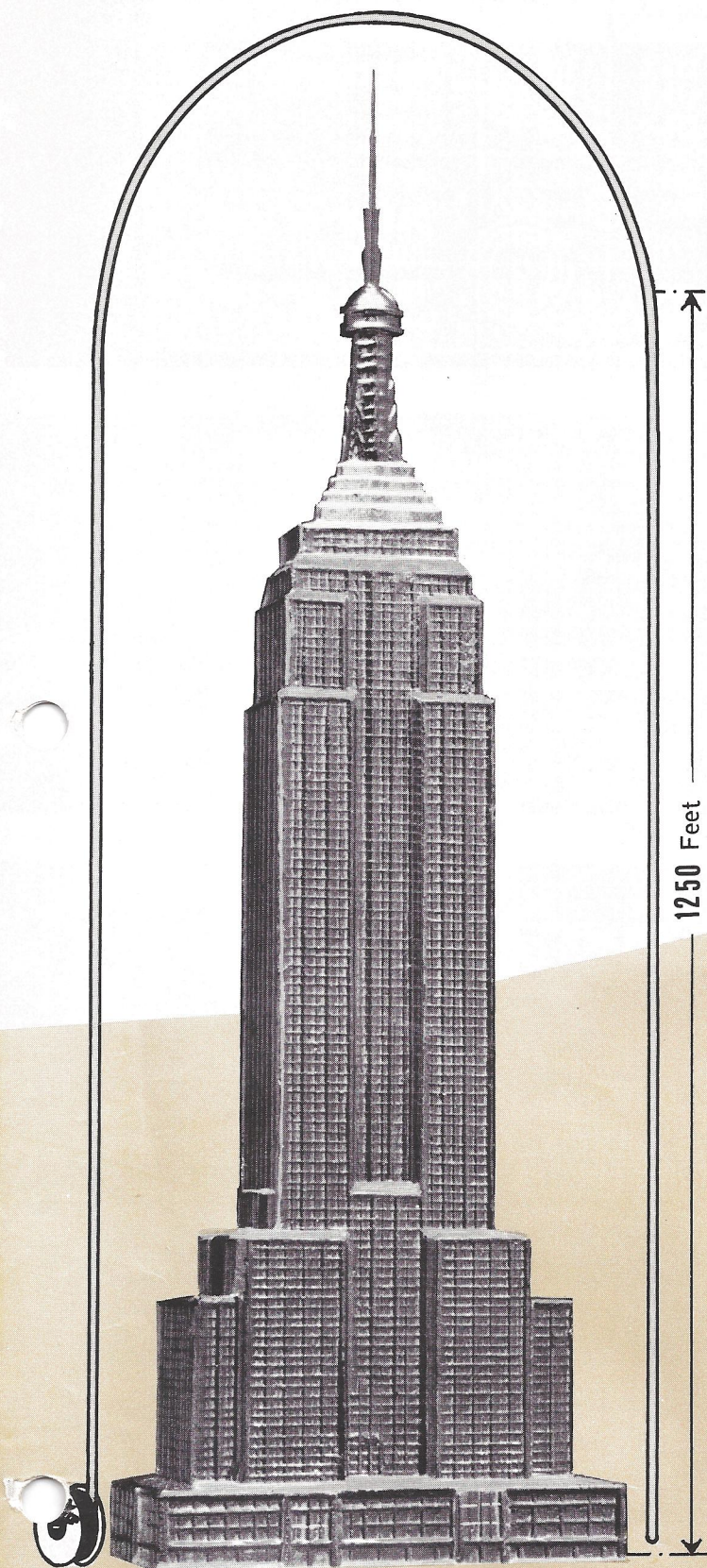
- Less Connectors Necessary
- Fewer Splices; Less Materials Wasted; Less Scrap
- Less Amplifiers
- Increased Profit
- Saves at Least 10% on Installation
- Improved Electrical Performance

NOMINAL ATTENUATION db/100'

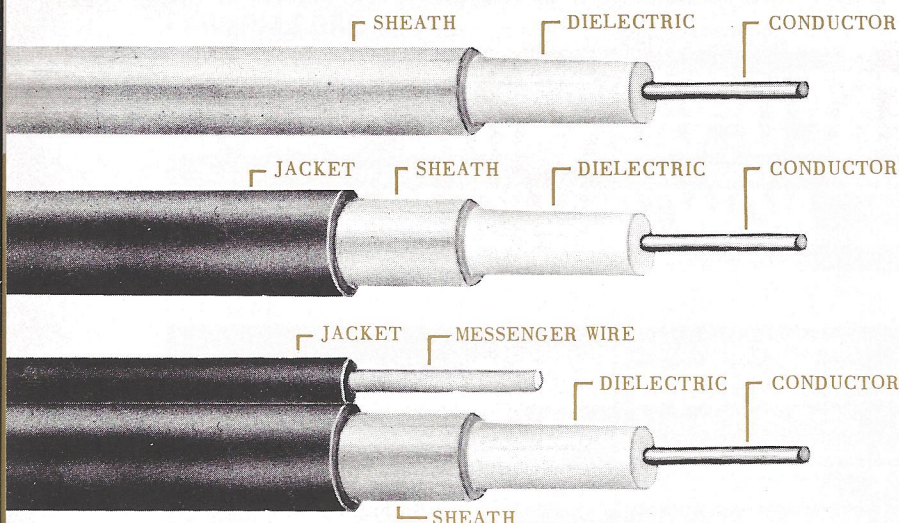
Channel	Frequency Megacycle	VK1412	VK1500	VK1750
2	57	0.75	0.63	0.40
3	62	0.80	0.68	0.46
4	69	0.83	0.73	0.48
5	79	0.89	0.78	0.51
6	85	0.95	0.80	0.57
7	177	1.40	1.12	0.90
8	183	1.42	1.15	0.91
9	189	1.44	1.16	0.93
10	195	1.47	1.17	0.95
11	201	1.50	1.20	0.97
12	207	1.52	1.21	0.99
13	213	1.55	1.25	1.00

EACH REEL 100% SWEEP TESTED

Viking guarantees every reel of its solid seamless aluminum cable to be exactly as represented and to meet or surpass our published specifications. Every inch is quality controlled.



SEAMLESS *VIKAL* ALUMINUM SHEATHED COAXIAL CABLES • TV TRANSMISSION LINE APPLICATIONS



UNJACKETED



JACKETED



**JACKETED WITH
BUILT-IN FIGURE
"8" MESSENGER**

CONSTRUCTION

Reference Specifications

Inner Conductor	Bare Solid Copper • Electrical Resistivity: 10.69 ohm (mil-foot) at 20°C See Table I for Dimensions • Diameter Tolerance $\pm 1\%$
Dielectric	Unicellular Foam Polyethylene • Dielectric Constant : 1.5 Nominal
Outer Conductor (Sheath)	Aluminum Tubing, Alloy 1060-0 • Electrical Resistivity: 17.10 ohm (mil-foot) at 20°C • See Table I for Dimensions
Jacket (Optional)	Polyethylene—Black, High Molecular Weight Resistant to Outdoor Weathering • See Table I for Dimensions Minimum Wall Thickness: 0.025" (VK-1412 & VK-1500) 0.036" (VK-1750)
Messenger Wire (Optional)	Galvanized Solid Steel (HTL) 0.109" Nominal O.D., 1800 Pound Minimum Breaking Strength

Astm: B3

Astm: D-1248

Astm: D-1248
Type I, Class C,
Grade 4

REA: PE27,
PE28

ELECTRICAL PERFORMANCE

Impedance	75 \pm 3 ohms
Velocity of Propagation	81.0% Nominal
Capacitance	17.0 PF/FT. Nominal
Attenuation	Specified in Table I
Return Loss	A Return Loss of 30db on TV and FM Bands will be Guaranteed for 10% Premium Price.

Mil-C-17D,
Para. 4.6.12
Mil-C-17D,
Para. 4.6.12.1
Mil-C-17D,
Para 4.6.7.
Mil-C-17D
Para. 4.6.10
Viking QC Spec

ACCEPTANCE TESTS FOR SHIPPING LENGTHS

Visual Inspection	Each Length Shall Be Inspected for Workmanship as Well as for Nicks, Burrs, Finish, Marking and Construction.
Physical Dimensions	Each Length Shall Be Inspected for Adherence to Dimensions of Table I, and Tolerances specified under Construction Details Above
Attenuation	Each Length Shall Be Tested for Average Values Specified in Table I for Ch.6 and Ch.13. Acceptance Quality Level: 98%
Impedance	One Out of Every Ten Lengths Shall Be Tested For Conformance To Requirements Specified
Sweep Test	Each Length Shall Be Tested For Attenuation Response By A Sweep Frequency Test Covering The TV Bands of Ch. 2 (54 mcs.) Through Ch. 13 (216 mcs.) No Sharp Deviation Greater Than 0.5 db from the Average Shall Be Permitted Throughout The TV Bands.

Viking QC Spec

Viking QC Spec

Mil-C-17D
Para. 4.6.10

Mil-C-17D
Para. 4.6.12

Viking QC Spec
(copies available
on request)

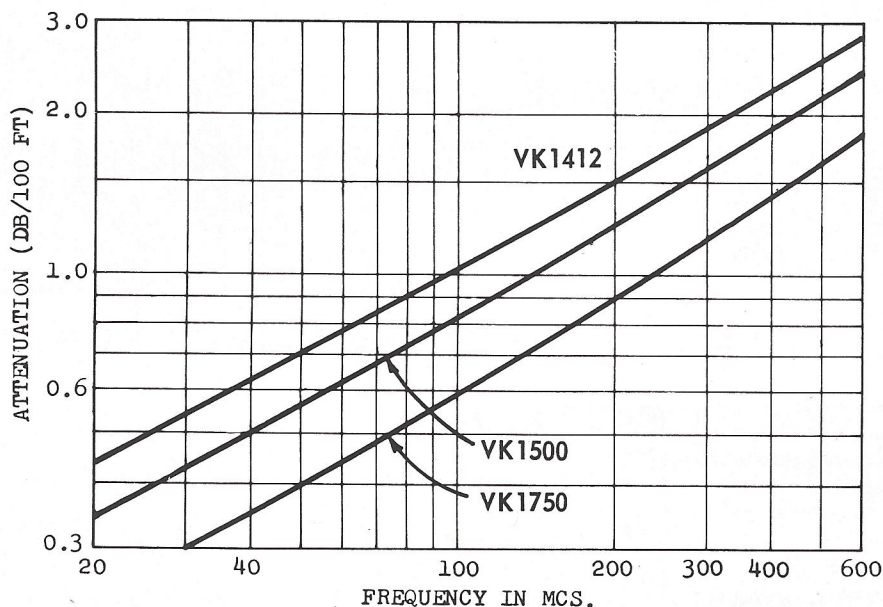
TABLE I: Physical and electrical characteristics: "VIKAL" COAXIAL CABLES

VIKING PART NUMBER	NOMINAL OUTSIDE DIAMETER (INCHES) (SEE ENGR. SPEC. FOR DIAMETER TOLERANCES)					NOMINAL ATTENUATION (DB/100 FT.)		
	Conductor	Dielectric	Aluminum Sheath	Optional Jacket	Optional Messenger	CH. 6 85 MCS.	CH. 13 213 MCS.	400 MCS
VK-1412	0.075	0.367	0.412	-	-	0.95	1.55	2.44
VK-1412J *	0.075 $\pm 1\%$	0.367	0.412 $\pm .003$	0.480 $\pm .010$	-	0.95	1.55	2.44
VK-1412JM	0.075	0.367 $\pm .005$	0.412 $\pm .003$	0.480 $\pm .010$	.480/.760	0.95	1.55	2.44
VK-1500	0.098	0.450	0.500	-	-	0.80	1.25	2.02
VK-1500J *	0.098 $\pm 1\%$	0.450 $\pm .005$	0.500 $\pm .003$	0.580 $\pm .010$	-	0.80	1.25	2.02
VK-1500JM	0.098	0.450 $\pm .005$	0.500 $\pm .003$	0.580 $\pm .010$	.580/.860	0.80	1.25	2.02
VK-1750	0.147	0.685	0.750	-	-	0.57	1.00	1.49
VK-1750J	0.147 $\pm 1\%$	0.685 $\pm .005$	0.750 $\pm .003$	0.850 $\pm .010$	-	0.57	1.00	1.49

J: JACKETED CABLE - High Molecular Weight Black Polyethylene

JM: JACKETED CABLE - With Integral Messenger Wire (Figure -8)

- SPECIAL SIZES AND CONSTRUCTIONS ARE AVAILABLE ON REQUEST.
- CABLE AVAILABLE ON A SELECTED BASIS TO MEET UNUSUAL REQUIREMENTS.



* The above jacketed cables are available upon request with both single and double raised ribs on outer polyethylene jacket for identification purposes.

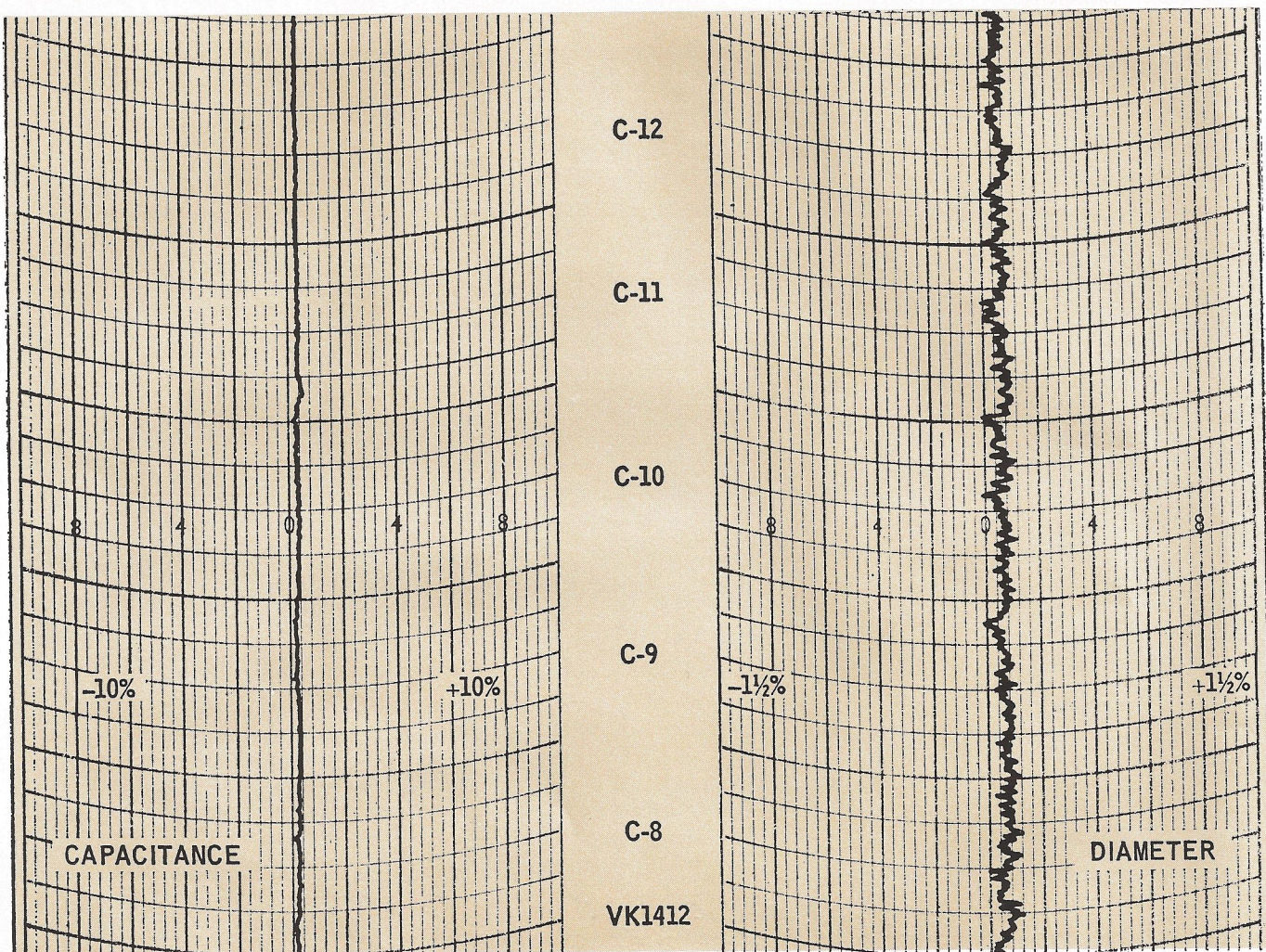
MANUFACTURED WITH ALL VIRGIN HIGH QUALITY MATERIALS IN ACCORDANCE WITH "VIKING" ENGINEERING SPECIFICATIONS.

Color Striping

JACKETED ALUMINUM CABLE CAN BE COLOR STRIPED TO DISTINGUISH BETWEEN TRUNK AND FEEDER LINES.

TABLE II: Packaging and installation characteristics: "VIKAL" COAXIAL CABLES

VIKING PART NUMBER	NOMINAL CONTINUOUS LENGTHS PER REEL (FEET)	MINIMUM INSTALLED BENDING RADIUS (INCHES)	MAXIMUM PULLING TENSION (POUNDS)	APPROX. WEIGHTS (LBS./NOM. REEL LENGTH)		NOMINAL CABLE WEIGHT (LBS/M FT.)	AC/DC LOOP RESISTANCE (OHMS/M FT.)
				CABLE	SHIPPING		
VK-1412	2300	4.0	160	172	230	75	2.42
VK-1412J	2300	4.0	160	216	277	94	2.42
VK-1412JM	2300	4.0	160	320	380	139	2.42
VK-1500	2100	5.0	190	227	288	109	1.56
VK-1500J	2100	5.0	190	284	345	135	1.56
VK-1500JM	2100	5.0	190	377	418	180	1.56
VK-1750	2000	8.0	420	474	627	237	0.70
VK-1750J	2000	8.0	420	580	743	290	0.70



CAPACITANCE AND DIAMETER: every inch quality controlled

Developing Viking's precision testing program on Catv cables was not easy. Obviously, testing for dimensions, impedance, attenuation (vs. frequency) conductor resistance, capacitance and return loss (vs. frequency) effectively characterizes cable behavior in the field. And these tests were instituted immediately! These finished cable tests supplement Viking's rigid incoming inspection on raw materials and in-process inspections to offer a high degree of quality assurance to the customer.

To further insure the overall production uniformity of Vikal cables, Viking maintains a system of continuous measuring devices to monitor and record cable properties during the foam extrusion process. Utilizing this system, every inch of cable extruded is measured for density, concentricity, (in two perpendicular planes), diameter (which is also controlled automatically) and capacitance. With this data feedback, Viking assures its customers of reproducibility and uniformity in every reel of cable shipped.

The capacitance monitor and diameter gauge (recorder strip charts illustrated above) are Viking's tools for measuring and controlling the transmission characteristics of our foamed dielectric even before application of the Vikal seamless aluminum sheath. Capacitance (which is the tendency to store an electrical charge) is directly related to Impedance, VSWR and Return Loss. A 100% air dielectric would have the best transmission characteristics, i.e., lowest capacitance. Viking's 50-60% air dielectric (foamed polyethylene) is the closest approach to air, consistent with the mechanical requirements of the cable. The Viking monitoring system measuring capacitance and capacitance variations, or discontinuities in a running length of cable, will also

measure those reflection points affecting VSWR and Return Loss. Furthermore, constant surveillance of capacitance ensures a very close tolerance to the 75 OHM impedance rating of the cable, virtually eliminating problems caused by mismatching of cable lengths and between cables and fittings.

The capacitance is measured inch-by-inch in a 42 inch non-contactive or sensing head which is mounted in the cooling water trough of the extrusion line. The sensing device houses the outer plate of the capacitor, while the copper conductor in the cable serves as the inner plate. Capacitance is measured by balancing against a known capacitance and feeding the resultant signal to a high speed recorder. The capacitance as a function of cable length is read from the recording charts.

The success of Vikings overall quality assurance program has been demonstrated by our consistent manufacture of high-quality matched cables and by our strict adherence to delivery schedules.

viking

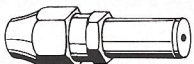
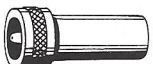


THE STANDARD OF THE CATV INDUSTRY


830 Monroe Street, Hoboken, N.J. ■ Call Us Collect
N.Y.: (212) WH 3-5793, Hoboken: (201) OL 6-2020

"SM" (Super Match)—75 ohm Connectors and Terminators for Aluminum Cables

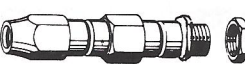
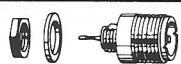
TERMINATORS

 one inch copper engagement	SM-552	Super Match Terminator for .412 aluminum cable with full one inch engagement of center copper conductor. AC/DC Blocked.	2.70 each
	SM-553	Super Match Terminator for .500 aluminum cable with full one inch engagement of copper center conductor. AC/DC Blocked.	3.10 each
	582	Blocks power and terminates a SM 101 fitting. AC/DC Blocked.	1.75 each

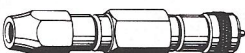

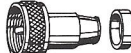
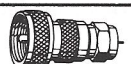
SPLICES

			100	250	500
	SM-412SP	Inline splice for "VIKAL" .412 aluminum cable complete assembly	4.75	4.50	4.20
	SM-500SP	Inline splice for "VIKAL" .500 aluminum cable complete assembly	6.75	6.40	5.95
	SM-750SP	Inline splice for "VIKAL" .750 aluminum cable complete assembly	9.40	8.75	


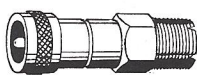

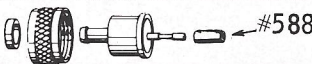
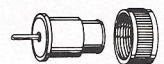
FEMALE FITTINGS

	SM-412F	Female adaptor for "VIKAL" .412 aluminum cable – Supplied with locknut for bulkhead mounting	3.85	3.65	3.40
	SM-500F	Female adaptor for "VIKAL" .500 aluminum cable – Supplied with locknut for bulkhead mounting	4.75	4.50	4.20
	SM-750F	Female adaptor for "VIKAL" .750 aluminum cable – Supplied with locknut for bulkhead mounting	7.95	6.75	
	SM-101	Female chassis mount. Fits thru 3/8" panel hole	1.05	.97	.93

MALE FITTINGS

	SM-412M	Male adaptor for "VIKAL" .412 aluminum cable	3.80	3.60	3.35
	SM-500M	Male adaptor for "VIKAL" .500 aluminum cable	4.85	4.60	4.30
	SM-750M	Male adaptor for "VIKAL" .750 aluminum cable	7.95	6.75	
	SM-59	Cable end for 59/U Cable mates with SM female	.58	.57	.55
	SM-11M	Adapts 11U cables to fit Super Match Female fittings.	.90	.83	
	SM-F	Adapts "F" Female fittings to Super Match Female fittings.	1.50	1.25	

MISCELLANEOUS

	578	Fixed Attenuator Pad designed to be used with Super-Matched fittings. Unit will pass A.C. or D.C. Power. Available in 3db, 6db, 10db or 20db. Furnished with Super Match Male on one end and Female on the other.	4.30 each
	579	Blocking Condenser to block power where no power is required. Designed to be used with Super-Matched fittings with SM Male on one end and SM Female on the other end.	3.10 each
	JUMPER LEAD 572	Adapts SM Females to "F" fittings. Consists of SM59 fitting 12" of 59U and 906 assembled ready for use. Longer lengths on request.	.85 each
	588	UHF adaptor for Super Match. Converts Super Match to UHF.	.10 each
	SM308/480	Connector for 308 Strip Braid or 480 Corrugated to Super Match Connectors. For use with Jumper for 308 and 480 Cables.	.52 each

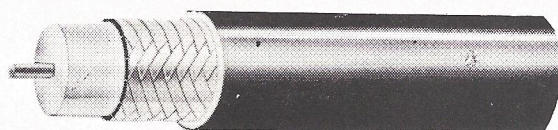
**ONE
FULL INCH
engagement
of center
conductor
on all
Super Match
Connectors
and
Terminators**

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LOW LOSS MAIN LINE AND MESSENGER TYPE CABLES

STRIP BRAID CABLES

100%
SWEEP & THOROUGHLY
TESTED

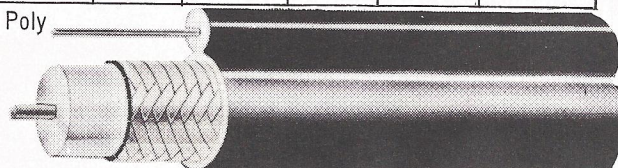


Description	Stock Number	AWG & Stranding	OD Nom.	Dielectric Material	Jacket Material	OD Nom. Dielectric	OD Nom. Shield	OD Nom. 2nd Shield	OD Nom. Jacket	Nominal Attenuation Channel 6	Channel 13
Single Shield Single Jacket	VK308	12BC	.081	FOAM	NCP	.373	.389	—	.470	1.01	1.65
Double Shield Single Jacket	VKD308	12BC	.081	FOAM	NCP	.373	.389	.400	.470	1.01	1.65

NCP — Non-Contaminating Poly

STRIP BRAID CABLES

with FIGURE "8" BUILT-IN MESSENGER



.109 Steel Messenger, Galvanized, Completely Rustproof. 1800 lb. Break Strength

Single Shield Single Jacket Built in Messenger	VK308M	12BC	.081	FOAM	NCP	.373	.389	—	.470 x .700	1.01	1.65
Single Shield Double Jacket Built in Messenger	VKD308M	12BC	.081	FOAM	NCP	.373	.389	—	.470 x .700	1.01	1.65

NCP — Non-Contaminating Poly

STRAND BRAID CABLES F11

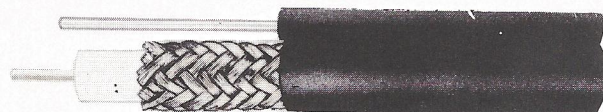


75 Ohm Single Shield Single Jacket	F11	14BC	.064	FOAM	NCP	.285	.310	—	.407	1.45	2.35
75 Ohm Double Shield Double Jacket	FD11	14BC	.064	FOAM	NCP	.285	.310	.395	.470	1.45	2.35

NCP — Non-Contaminating Poly

STRAND BRAID CABLES F11

with FIGURE "8" BUILT-IN MESSENGER

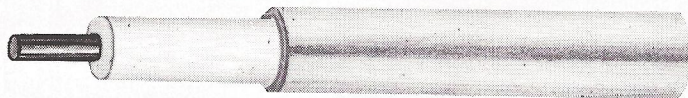


.109 Steel Messenger, Galvanized, Completely Rustproof. 1800 lb. Break Strength

Single Shield Single Jacket Built in Messenger	F11M	14BC	.064	FOAM	NCP	.285	.310	—	.407 x .665	1.45	2.35
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NCP — Non-Contaminating Polyethylene FPE — Foam Polyethylene BC — Bare Copper

50 OHM CABLES



Stock Number	OHMS Impedance	Outside Diameter Inches	Inside Diameter Inches	Inner Conductor Dia. Inches	Minimum Bending Radius Inches	Nominal Attenuation (db/100 ft.)		Weight Net Per 1M ft.	Reel Length
						Channel 6	Channel 13		
1264 Alum.	50	.500+.005	.450+.004	.162+.0016	5	0.76	1.4	140	1,000 ft.
RG8U	50	.407	.285	.086"	—			89	500 ft.
RG58U	50	.196	.116	.032"	—			27	1,000 ft.
RG58/A	50	.195	.116	.033 19/.0066	—			26	1,000 ft.

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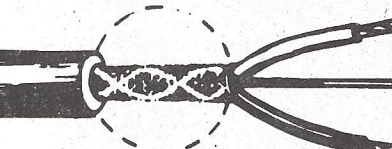
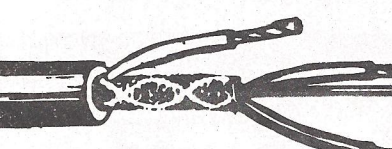
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WIRE WU: WUX-JHB, HOBOKEN, N. J.

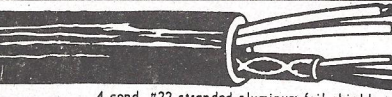

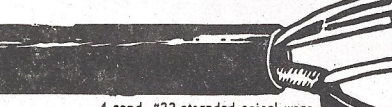
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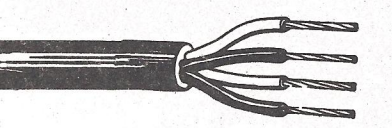

ALUMINUM FOIL INTERCOM CABLES JACKETED WITH GROUND WIRE 2 & 3 CONDUCTOR

DESCRIPTION	Stock No.	No. of Cond.	Gauge Copper	Color Code	Insul Thickness	Jacket Thickness	Nom. O.D.	Cost Per M ¹
 Stranded copper wire, plastic, insulated, color coded, ground wire, aluminum foil shield reinforced with glass fibres & Mylar.	#786	2	#18 Stranded	Blk/Wh	.015	.025	.220	23.00
	#1207	2	#20 Stranded	Blk/Wh	.012	.025	.200	20.00
	#787	2	#22 Stranded	Blk/Wh	.012	.025	.170	18.50
	#753	3	#18 Stranded	Blk/Wh/Red		.025	.222	30.50
	#751	3	#20 Stranded	Blk/Wh/Red	.012	.025	.200	27.25
	#761	3	#22 Stranded	Blk/Wh/Red	.012	.025	.185	25.75
 2 conductors in shield #20 stranded with ground - 1 outside #18 stranded aluminum foil shield reinforced with glass fibres & Mylar.	#788A	3	2#20 Stranded 1#18 Stranded	Blk/Wh/ Red	.012 .015	.025	.260	28.25

1 PAIR SHIELDED — 1 PAIR UNSHIELDED INTERCOM CABLES JACKETED

 4 cond. #22 stranded aluminum foil shield & reinforced with glass fibres & Mylar over two conductors with ground wire.	#836	4	#22 Stranded	Inside Shield Blk/Wh Outside Shield Red/Bwn	.012	.025	.230	26.25
 4 cond. #22 stranded, tinned copper braided shield over two conductors.	#636	4	#22 Stranded	Inside Shield Blk/Wh Outside Shield Red/Bwn	.012	.025	.240	31.00
 4 cond. #22 stranded spiral wrap shield over two conductors.	#736	4	#22 Stranded	Inside Shield Blk/Wh Outside Shield Red/Bwn	.012	.028	.235	31.00

JACKETED INTERCOM CABLES MULTIPLE CONDUCTOR

 Control annunciator and intercom, cable, flexible stranded wire. Grey vinyl jacket. Color coded.	#670	3	#22 Stranded	Blk/Wh/Bwn	.010	.025	.170	14.50
	#671	4	#22 Stranded	Each Coded	.010	.025	.170	16.90
	#871	4	#22 Solid	Each Coded	.010	.025	.170	15.00
	#672	5	#22 Stranded	Each Coded	.010	.025	.185	20.50
	#673	8	#22 Stranded	Each Coded	.010	.025	.215	30.50
	#712	12	#22 Stranded	Each Coded	.010	.025	.300	47.25
	#881	2	#18 Stranded	Blk/Wh	.015	.025	.210	17.50
	#687	2	#22 Solid	Blk/Wh	.010	.025	.150	10.00
	#887	2	#22 Stranded	Blk/Wh	.010	.025	.170	11.50
	#776	2	#20 Stranded	Blk/Wh	.012	.025	.175	15.00
 Sound system cables of #19 solid bare copper.	#771	4	#20 Stranded	Each Coded	.012	.025	.190	20.50
	#847	2	#16 Stranded	Black/Wh	.020	.030	.246	26.25
	#848	2	#14 Stranded	Black/Wh	.025	.035	.315	54.50
	#796	2	#19 Solid	Wh/Blk	.015	.025	.180	13.50
	#797	3	#19 Solid	Wh/Blk/Red	.015	.025	.190	17.90
	#798	4	#19 Solid	Each Coded	.015	.025	.210	22.50

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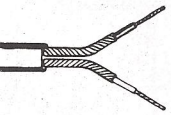

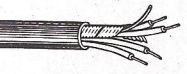
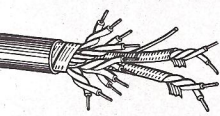
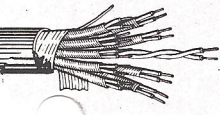
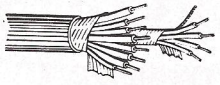
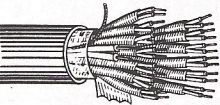
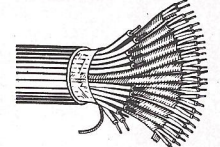
WIRE WU: WUX-JHB, HOBOKEN, N. J.

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C-1

SPECIAL INTERCOM TYPE WIRES & CABLES ALL BROWN JACKETED

	DESCRIPTION	Executone Type *	Stock #	No. of Cond.	Gauge & Type	Color Code	Insulation Thick P.V.C.	Jacket Thick P.V.C.	Nominal O.D.	Cost Per M
	2 parallel conductors.	WS-2	842 \$8.90	2	#22 A.W.G. solid	1/c B.C. 1/c T.C.	.016	-	.124 x .058	
	2 parallel conductors.		865 \$36.20	2	#10/30 T.C. Vinyl insulated, spiral wrap shield over each conductor (two separate shields) overall jacket	Red/Wh	.012	.025	.125 x .310	
	Shielded pair with ground.	WS-3	843 \$21.00	2	#20 A.W.G. strand.	Wh/Red	.015	.025	.190	
	1 pair plus 1 shielded pair with ground	WS-5	845 \$27.50	4	#22 A.W.G. solid	Wh/Red Blk/Green	.015	.030	.240	
	2 shielded pairs, plus ground and 5 pairs.	W7VS	846 \$108.15	14	2 pairs #22 A.W.G. solid, 1 bare #22 wire 5 pairs #22 A.W.G. solid.	Each coded	.015	.030	.330	
	9 shielded pairs, 1 pair plus ground wire.	W10VS	850 \$176.40	20	9 pairs #22 A.W.G. solid shielded. 1 pair #18 A.W.G. solid. 1 bare #22 ground wire.	Each coded	.015	.040	.450	
	1 shielded quad with ground and 8 singles.	WS-12	852 \$93.70	12	1 quad #22 A.W.G. solid shielded, 1 ground 7/30 T.C. inside shield 5 singles #16 A.W.G. solid, 3 singles #22 A.W.G. solid	Each coded	.015	.030	.360	
	13 shielded pairs, 1 pair, plus ground wire.	W14VS	854 \$215.25	28	13 pairs #22 A.W.G. solid, twisted, shielded 1 pair #18 A.W.G. solid, twisted only 1 bare #22 ground wire.	Each coded	.015	.040	.530	
	13 shielded pairs, 1 pair, 10 singles plus ground.	W19VS	859 \$258.80	38	13 pairs #22 A.W.G. solid, twisted, shielded. 1 pair #18 A.W.G. solid, twisted only. 10 Singles #22 A.W.G. solid. 1 bare #22 ground wire.	Each coded	.015	.040	.560	

*
The cables listed herein are manufactured by REGO, INC. and the references made to the similar Executone types of cables are intended solely for the information of our customers.

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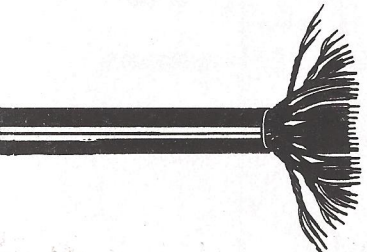
C-5

NEW SMALL DIAMETER-POLYPROPYLENE INSULATION

DESCRIPTION	Stock No.	No. of Cond.	Gauge & Type	Color Code	Insulation Thick Polypropylene	Jacket Thick P.V.C.	Nominal O. D.	Cos.
 1 shielded pair, and 1 twisted pair. With ground wire.	2207	4	2 Pair #22 T.C. stranded wire ground #22 T.C. stranded.	Blk/Red White/Green	.010	.025	.185	\$26.25
 1 shielded pair. With ground wire.	2208	2	1 pair #22 T.C. stranded, shielded 1 ground #22 T.C. strand.	Blk/Red	.010	.025	.145	18.50
 Same as above.	2209	2	1 pair #22 T.C. solid shielded. 1 ground #22 T.C. strand.	Blk/Red	.010	.025	.135	18.00

These new miniature type cables have 100% shield coverage against electrostatic fields. Mylar backed aluminum shield gives high cable reliability together with easy termination through use of the ground wire. These types occupy only one half of the space required for a standard broadcast audio cable.

TELEPHONE CABLES-CONDUCTORS IN TRIPLETS

Number of Triplets	Stock No.	DESCRIPTION	A.W.G.	Insulation Thickness	Jacket Thickness	Nominal O.D.	Put Up	
 13	863	#22 bare solid vinyl insulated. Chrome vinyl jacket. Each triplet is color coded red, green & yellow.	22 Solid	.012	.045	.540	500' or to specified lengths	183.00
27	867	Each set of triplets is indicated by consecutive printed numbers on the yellow conductor.	22 Solid	.012	.045	.770	500' or to specified length	368.00

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WIRE WU: WUX-JHB, HOBOKEN, N. J.

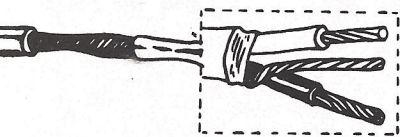
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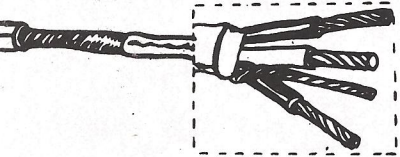
C-6

INTER-COMMUNICATION CABLES



2 CONDUCTORS SPIRAL SHIELDED AND JACKETED

DESCRIPTION	Stock No.	No. of Cond.	Gauge * Copper	Color Code	Insul Thickness	Jacket Thickness	Nom. O.D.	Cost Per M'
	#760	2	#16 stranded	Blk/Wh	.025	.030	.200	35.75
	#758	2	#18 stranded	Blk/Wh	.015	.030	.230	29.50
	#759	2	#20 stranded	Blk/Wh	.012	.025	.190	25.25
	#757	2	#22 stranded	Blk/Wh	.012	.025	.170	22.50
	#756	2	#18 solid	Blk/Wh	.015	.030	.215	26.25
	#755	2	#20 solid	Blk/Wh	.012	.025	.175	22.00
	#754	2	#22 solid	Blk/Wh	.012	.025	.160	19.00

3 CONDUCTORS SPIRAL SHIELDED AND JACKETED

	#703	3	#18 stranded	Blk/Wh/Red	.015	.030	.240	40.00
	#704	3	#20 stranded	Blk/Wh/Red	.012	.025	.200	35.75
	#705	3	#22 stranded	Blk/Wh/Red	.012	.025	.180	31.50
	#706	3	#18 solid	Blk/Wh/Red	.015	.030	.225	38.00
	#707	3	#20 solid	Blk/Wh/Red	.012	.025	.185	32.50
	#708	3	#22 solid	Blk/Wh/Red	.012	.025	.170	27.50


2 & 3 CONDUCTOR BRAIDED SHIELD, WITH JACKET

	#775	2	#18 stranded	Blk/Wh	.015	.025	.230	29.50
	#675	2	#20 stranded	Blk/Wh	.012	.025	.200	26.00
	#722	2	#22 stranded	Blk/Wh	.012	.025	.185	22.50
	#644	2	#22 solid	Blk/Wh	.012	.025	.175	20.00
	#738	3	#20 stranded	Blk/Wh/Red	.012	.025	.210	33.50
	#638	3	#22 stranded	Blk/Wh/Red	.012	.025	.195	30.50

2 & 3 CONDUCTOR BRAIDED SHIELD, WITHOUT JACKET

	#762	2	#16 stranded	Blk/Wh	.015	-	.225	30.50
	#774	2	#18 stranded	Blk/Wh	.015	-	.180	24.25
	#674	2	#20 stranded	Blk/Wh	.012	-	.150	20.00
	#721	2	#22 stranded	Blk/Wh	.012	-	.135	19.50
	#643	2	#22 solid	Blk/Wh	.012	-	.125	16.00
	#737	3	#20 stranded	Blk/Wh/Red	.012	-	.160	30.50
	#637	3	#22 stranded	Blk/Wh/Red	.012	-	.145	26.25

2 CONDUCTOR INTERCOM. & GROUND WIRE WITHOUT JACKET BRAIDED

	#702	2	#18 stranded	Blk/Wh	.015	-	.185	29.50
		1	#22 solid ground					

* All Copper is Tinned

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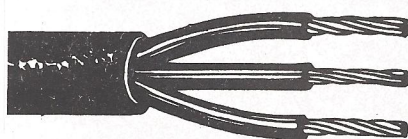
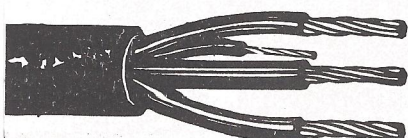
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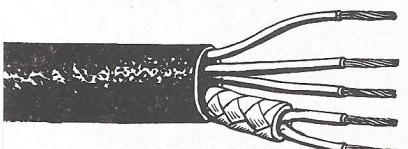
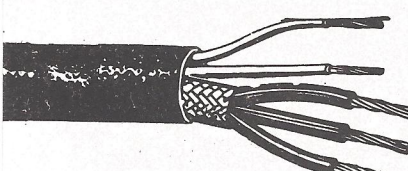

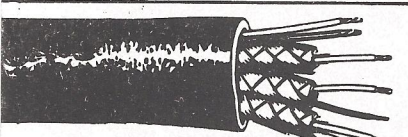
C-7

SOUND SYSTEM, INTER-COMMUNICATION, JUKE BOX CABLES

3 & 4 CONDUCTOR JUKE BOX CABLE & WALL BOX CABLE

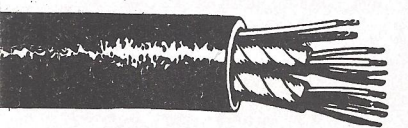
DESCRIPTION	Stock No.	No. of Cond.	Gauge Copper	Color Code	Insul Thickness	Jacket Thickness	Nom. O.D.	Cost Per M
	#740	3	2 #16 Str.	Orange Green	.020	.025	.240	35.75
			#20 Str.	Blue	.012			
	#739	4	3 #16 Str.	Brown Orange Green	.020	.025	.260	40.00
			1 #20 Str.	Blue	.012			

5 & 6 CONDUCTOR REMOTE VOLUME CONTROL CABLE

	#749	5	#22 Str.	In Braided Shield Blk/Red Outside Shield Blue Yellow Green	.012	.025	.230	40.00
	#649	5	#22 Str.	In Braided Shield Green Black Red Outside Shield Blue Yellow	.012	.025	.240	40.00
	#748	2 #22 Str.		Outside Shield Blue White	.012	.025	.250	37.75
		4 #24 Str.		In Braided Shield Green Red Black Yellow				
	#734	6	#22 Stranded	See Description	.012	.028	.260	72.50

Consists of one Parallel Shielded Pair – Green and Yellow – Shielded Single Blue, Shielded Single Orange, and Black and White Pair Unshielded, All Jacketed in Parallel. All Shields Braided.

10 CONDUCTOR-STEREO CABLE

	#676	10	8 Conductors #22 Stranded Inside Shields See Description 2 #20 stranded Outside Shields	.012	.025	.420	78.75

One Quad Brown/Red/Orange/Yellow in Spiral Shield Plus One Quad Grey/Green/Blue/White in Spiral Shield Plus one Pair Blue/White. All Jacketed in Parallel.

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C-8


MIKE CABLES, TWISTED PAIRS, ZIPCORD and SPECIAL PAIR CABLE

BRAIDED SHIELD MICROPHONE CABLES

DESCRIPTION	Stock No.	Insulation	No. of Cond.	Gauge Copper	Core O.D.	Jacket Thickness	Nom. O.D.	Cost Per M ¹
 For lapel mikes For crystal mikes ribbon carbon mikes	#630F	Foam PE	1	7/30TC	.080	.025	.150	19.75
	#630	Solid PE	1	7/30TC	.080	.025	.150	19.75
	#631F	Foam PE	1	7/30TC	.120	.025	.200	28.00
	#631	Solid PE	1	7/30TC	.120	.025	.200	28.00
 For carbon mikes low impedance	#632F	Foam PE	2	7/30TC	.080	.025	.250	40.00
	#632	Solid PE	2	7/30TC	.080	.025	.250	40.00

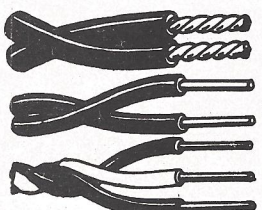
*Note - (PE) - Polyethylene

SPIRAL SHIELD MICROPHONE CABLES

 2 complete #830 lapel mike with grey vinyl jacket overall.	#830F	Foam PE	1	7/30TC	.080	.025	.150	19.75
	#830	Solid PE	1	7/30TC	.080	.025	.150	19.75
	#831F	Foam PE	1	7/30TC	.120	.025	.200	28.00
	#831	Solid PE	1	7/30TC	.120	.025	.200	28.00
	#832F	Foam PE	2	7/30TC	.080	.025	.250	40.00
	#832	Solid PE	2	7/30TC	.080	.025	.250	40.00

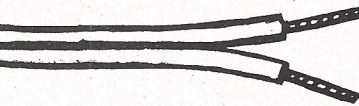
#833	Solid or Foam PE	2	7/30TC	.080	.025	.350	61.00
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2 & 3 CONDUCTOR TWISTED PAIR CABLES WITHOUT JACKET

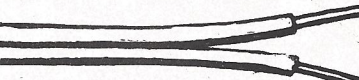
DESCRIPTION	Stock No.	No. of Cond.	Gauge Copper	Cost Per M ¹
	#747	2	#16 stranded	22.00
	#781	2	#18 stranded	14.75
	#745	2	#20 stranded	10.80
	#746	3	#20 stranded	14.25
	#741	2	#22 stranded	8.25
	#640	2	#19 solid	10.50
	#641	3	#19 solid	15.50
	#743	2	#22 solid	7.50
	#744	3	#22 solid	11.25

High quality wires with heavy .025 vinyl plastic insulation to withstand the roughest usage. Coded with one bare and one tinned conductor on each.
Special colors made to your particular needs.

PLASTIC ZIP CORD U/L APPROVED

	#680	2 cond. #18 stranded (41/34), 250' spool, 4 rolls per pack	Cost Per M ¹ 13.50	An all purpose, very flexible plastic covered parallel cord, easily separated by slit in jacket. Brown and Ivory and gray. Underwriters approved.
	#681	Same as above, except 500' spool 2 rolls per pack	13.50	

JUKE BOX SPEAKER CABLE

	#750	2 cond. #24 stranded (10/34), 1 conductor bare copper, 1 conductor tinned	7.50	Parallel #24 A.W.G., with flexible plastic covering. Gray, Brown, Ivory and Clear.
--	------	---	------	--

SPECIAL

27 PAIR - STRANDED - EACH PAIR TWISTED & CABLED TO ELIMINATE CROSSTALK #22 GAUGE STRANDED TINNED COPPER STANDARD COLOR CODING ON 500' SPOOLS SMALLER LENGTHS UPON REQUEST.

231.00 PER M'

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C-9



TECHNICAL BULLETIN and
ENGINEERING SPECIFICATION



VINYL and POLYETHYLENE,
FOAM OR SOLID DIELECTRIC

NEW E-Z STRIP CONSTRUCTION

RG-59/U COAXIAL CABLES AND CONNECTORS ...

CATV/MATV specifications or MIL-C-17 Unicellular foamed or solid polyethylene dielectric
High molecular weight polyethylene (resistant to outdoor weathering) or vinyl (flame retarded) jacket

.....
AVAILABLE WITH INTEGRAL "FIGURE 8" MESSENGER NEW "EZ" STRIP MESSENGER ASSEMBLY
.....

EACH REEL 100% SWEEP TESTED (CH. 2 THRU CH. 13: 54-216 MCS)
.....

MANUFACTURED WITH ALL VIRGIN HIGH QUALITY MATERIALS IN ACCORDANCE WITH "STRINGENT
ENGINEERING SPECIFICATIONS"
.....

COAXIAL OR DOUBLE SHIELD CONSTRUCTIONS
.....

STANDARD PACKAGING: 1000 FT/REEL
.....

COMPLETE LINE OF HIGH QUALITY (75 OHM) CONNECTORS AND FITTINGS ARE AVAILABLE TO
MATCH CABLES



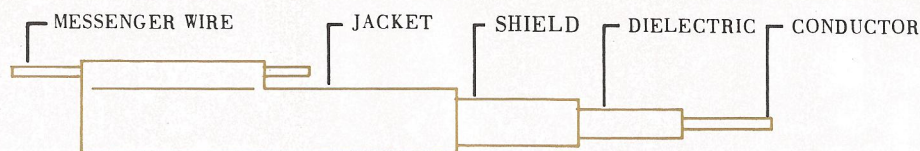
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CONSTRUCTION

Reference
Specifications

Inner Conductor	Bare solid copper covered steel Diameter tolerance: $\pm 0.001''$	Astm: B-227
Dielectric	(1) Solid polyethylene, high molecular weight Diameter tolerance: $\pm 0.004''$ or (2) Unicellular foamed polyethylene, dielectric constant 1.5 nominal Diameter tolerance: $\pm 0.004''$	Astm: D-1248 Astm: D-1248
Shield	Bare solid copper, #34 AWG	Astm: B-3
Jacket	(1) Black polyethylene, high molecular weight, resistant to outdoor weathering or (2) Vinyl (color as indicated), flame retarding, thermally stabilized Nominal diameter .245 Diameter tolerance: $\pm 0.004''$	Astm: D-1248 Type I, Class C, Grade 4. Astm: D-1432 Type I, Grade 8.
Messenger Wire (optional)	Galvanized solid steel, industrial quality, 0.0625" nominal O.D., 330 lb. minimum breaking strength.	

ELECTRICAL PERFORMANCE

Impedance	75 ohms, nominal	Mil-C-17D Para. 4.6.12
Capacitance	Solid dielectric: 21.5 mmf/ft., nominal Unicellular dielectric: 16.0 mmf/ft., nominal	Mil-C-17D Para. 4.6.7.
Velocity of Propagation	Solid dielectric: 65.9% nominal unicellular dielectric: 81.0% nominal	Mil-C-17D Para. 4.6.12.1
Attenuation	Specified in table 1	Mil-C-17D Para. 4.6.10

ACCEPTANCE TESTS FOR SHIPPING LENGTHS

Visual Inspection	Each length shall be inspected for verification of design, construction, marking and workmanship.	Viking QC Spec
Physical Dimensions	Each length shall be inspected for adherence to dimensions of table 1 and tolerances specified under construction details	Viking QC Spec
Attenuation	Each length shall be tested for average values specified in table 1 for Ch. 6 and Ch. 13. Acceptance quality level: 98%	Mil-C-17D Para. 4.6.10
Impedance	One out of every ten lengths shall be tested for conformance to requirements specified above.	Mil-C-17D Para. 4.6.12
Sweep Test	Each length shall be tested for attenuation response by a sweep frequency test covering the TV bands of Ch. 2 (54 mcs) through Ch. 13 (216 mcs). No sharp deviation greater than 0.5 db from the average shall be permitted throughout the TV bands.	Viking QC Spec. (Copies available on request)

TABLE I: RG-59/U physical and electrical characteristics TV TRANSMISSION
LINE SPECIFICATIONS

Viking Stock Number	Jacket Type	Dielectric Type	Conductor Size Material	Jacket Color	Conductor Nom. O.D.	Dielectric Nom. O.D.	Shield Nom. O.D.	Jacket Nom. O.D.	Average Attenuation (db/100 Ft.)		Nominal Weight (Lbs./M Ft.)		PRICE
									Ch. 6	Ch.13	Cable	Shipping	
SINGLE SHIELD/SINGLE JACKET – SOLID POLYETHYLENE DIELECTRIC													
2000 (M)	Polyethylene	Solid	22 BCW	Black	.0253	.145	.170	.245	3.5	5.6	30	35	28.00
2001 (M)	Vinyl	Solid	22 BCW	Black	.0253	.145	.170	.245	3.5	5.6	38	40	28.00
2002				Grey									30.00
2003				White									30.00
2004				Beige									30.00
SINGLE SHIELD/SINGLE JACKET – UNICELLULAR FOAMED POLYETHYLENE DIELECTRIC													
2005 (M)	Polyethylene	Foam	22 BCW	Black	.0253	.150	.175	.245	2.8	4.6	26	31	28.00
2006 (M)	Vinyl	Foam	22 BCW	Black	.0253	.150	.175	.245	2.8	4.6	31	36	28.00
2007				Grey									30.00
2008				White									30.00
2009				Beige									30.00
2010 (M)	Polyethylene	Foam	20 BCW	Black	.032	.150	.175	.245	2.8	4.6	26	31	28.00
2011 (M)	Vinyl	Foam	20 BCW	Black	.032	.150	.175	.245	2.8	4.6	32	37	28.00
2012				Grey									30.00
2013				White									30.00
2014				Beige									30.00
DOUBLE SHIELD/DOUBLE JACKET – SOLID POLYETHYLENE DIELECTRIC													
2019	Polyethylene	Solid	22 BCW	Black	.0253	.145	(1).170 (2).255	.315	3.5	5.6	51	56	57.00
DOUBLE SHIELD/SINGLE JACKET – SOLID POLYETHYLENE DIELECTRIC													
2027	Polyethylene	Solid	22BCW	Black	.0253	.146	(1).170 (2).195	.270	3.5	5.6	50	55	55.00
MIL-C-17 TYPE CONSTRUCTION SOLID AND UNICELLULAR FOAMED SINGLE SHIELD/SINGLE JACKET POLYETHYLENE DIELECTRIC													
2015	Polyethylene	Solid	22 BCW	Black	.0253	.145	.170	.245	3.5	5.6	32	37	32.50
2017	Vinyl			Black							42	32.50	
2022 (M)	Polyethylene	Foam	22 BCW	Black	.0253	.150	.175	.245	2.8	4.6	29	34	32.50
2023 (M)	Vinyl			Black							33	38	32.50
2024	Polyethylene	Foam	20 BCW	Black	.032	.150	.175	.245	2.8	4.6	30	35	32.50
2025	Vinyl			Black							34	39	32.50

MESSANGER TYPE CABLES - INTEGRAL "FIGURE 8" MESSENGER WIRE

Cables marked (M) available with integral E-Z strip messenger wire. For ordering, add suffix "M" to Viking Stock number.

ALL REGULAR MESSENGER CABLES \$ 39.90

ALL MIL-C-17 MESSENGER CABLES \$ 44.20

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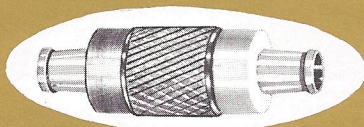


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RG-59 CABLE CONNECTORS

ALL FITTINGS ARE OF PRECISION MACHINED BRASS AND SILVER-PLATED
FOR EXCELLENT CONDUCTIVITY AND LONG LIFE



INLINE SPLICE

NET
PRICE QUANTITIES

		25	100	250	500
59SP	Inline Splice 75 ohm cables. Push-on fittings. Complete with Ferrules.	.70	.65	.60	.55

STANDARD PACKAGE – 25 PIECES

SUPER MATCH

NET PRICE
QUANTITIES

ILLUSTRATION	TYPE	DESCRIPTION	25	100	250	500	1000
	59SM	Super Match series and connecting 101SM for 59U cable.	.58	.57	.55	.54	.52
	101SM	Female chassis mount fit. Thru 3/8" panel hole	1.05	.93	.97	.90	.85

FERRULES

	TYPE	DESCRIPTION	
	#059	For use with RG59U	.02
	#011	For use with RG11U	.04
	#038	For use with VK308	.05

STANDARD PACKAGE – 25 PIECES

RG-59 CABLES

NET
PRICE QUANTITIES

ILLUSTRATION	TYPE	DESCRIPTION	25	100	250	500
	906 (F-59)	Male connector for standard 59/U type cables. "F" type.	.29	.20	.19	.18
	F-81	Splice, double female, "F" series.	.53	.51	.49	.46
	F-61	Female chassis mount, "F" series. Available in round pin or flat spring pin.	.46	.43	.41	.37
	909 (C-52)	For Standard 59/U Type Cables. "C" Type.	.20	.18	.17	.16
	(C-81)	Splice, double female, "C" series.	.42	.40	.38	.36
	(C-61)	Female chassis mount fitting, "C" series to solder point.	.30	.28	.27	.26
	918	Terminator, 75 ohms. "F" Type Connector.	.60	.57	.56	.55
	919	Terminator, 75 ohms. "C" Type Connector	.60	.57	.56	.55
	59POT	Terminator, 75 ohms. Push-on type connector for #921 flush mounted wall plate.	.55	.53	.50	.48
	537	Adapts "C" fittings to "F" fittings	.07 each			

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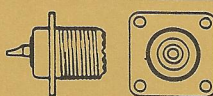

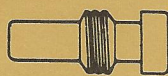
CN-2

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Miscellaneous CONNECTORS and FITTINGS

	TYPE	DESCRIPTION	PRICE QUANTITIES			
			25	100	250	500
	AU-308	UHF series cable end for 308 strip braid and CF 480 size corrugated cable. Same crimping ring and tool as "F" series connectors. (Mates with SO-239).	.59	.57	.53	.52
	308SP	CF 480 corrugated copper cable to CF 480 corrugated cable or 308 strip braid to 308 strip braid inline splice.	1.70	1.60	1.50	1.40
	924	CF 480 corrugated copper cable or 308 strip braid to "F" type cable fitting.	1.00	.95	.90	.85
	918/308	CF 480 corrugated copper cable or 308 strip braid cable female cable terminator.	1.25	1.15	1.05	1.00
	923	CF 480 corrugated copper cable or 308 strip braid cable to "F" type chassis female fitting.	1.00	.95	.90	.85
	F404/201	Adapts RG11U Foam Single and Double to "F" Type Chassis Female Fitting.	.98	.91	.88	.85
	F404/59	Adapts RG11U Foam Single and Double to "F" Type Male Fitting.	.98	.91	.88	.85

UHF SERIES - MIL SPEC

	PL259	Male cable end Solder type.	.38	.35	.32	.30
	PL258	Inline splice Double female	.62	.60	.58	.56
	M359	90° Fitting, male/female	.93	.91	.89	.87
	S0239	Female chassis mount	.38	.35	.32	.30
	M358	"T" fitting	1.99	1.89	1.79	1.69
	UG175	Adapts PL259 fitting to RG58U	.12	.10	.09	.08
	UG176	Adapts PL259 fitting to RG59U	.12	.10	.09	.08

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Manufacturers of Quality Coaxial Cables and Television System Products

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(Super Match) "SM" 75 ohm connectors FOR CORRUGATED COPPER SHIELDED CABLE

ILLUSTRATION	DESCRIPTION	VIKING PART NO.	25 100 250 500			
	Super Match female cable adaptor. Fits 480 size corrugated & 308 strip braid. Furnished with locknut for bulkhead mount. 75 ohm.	NEW SM-308BAF	1.27	1.20	1.12	1.05
	Super Match female adaptor for 480 corrugated and 308 strip braid. Pressure clamping nut ensures positive ground and weather-proofing. 75 ohm.	NEW SM-480BAF	1.90	1.80	1.70	1.60
	Super Match male counterpart of CF-480BAF above. 75 ohm.	NEW SM-480M	1.95	1.85	1.80	1.70
	Super Match heavy duty matched splice for 480 size corrugated or 308 strip braid. Pressure clamping nuts as CF-480. (For economy use 308SP) 75 ohm.	NEW SM-480SP	2.35	2.25	2.15	2.05
	Super Match adaptor, 655 O.D. corrugated copper and strip braid cables. Female. 75 ohm.	NEW SM-655BAF	4.50	4.00	3.75	
	Super Match adaptor for CF655 corrugated copper cable to "F" female connector. 75 ohm.	NEW SM-655FFA	4.95	4.45	4.10	
	UHF series cable end for 308 strip braid and CF 480 size corrugated cable. Same crimping ring and tool as "F" series connectors. (Mates with SO-239).	AU-308	.59	.57	.53	.52
	CF480 corrugated copper cable to CF480 corrugated cable or 308 strip braid to 308 strip braid inline splice.	308SP	1.70	1.60	1.50	1.40
	CF480 corrugated copper cable or 308 strip braid to "F" type cable fitting.	924	1.00	.95	.90	.85
	CF480 corrugated copper cable or 308 strip braid cable female cable terminator.	918/308	1.25	1.15	1.05	1.00
	CF480 corrugated copper cable or 308 strip braid cable to "F" type chassis female fitting.	923	1.00	.95	.90	.85

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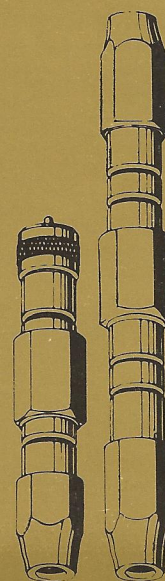
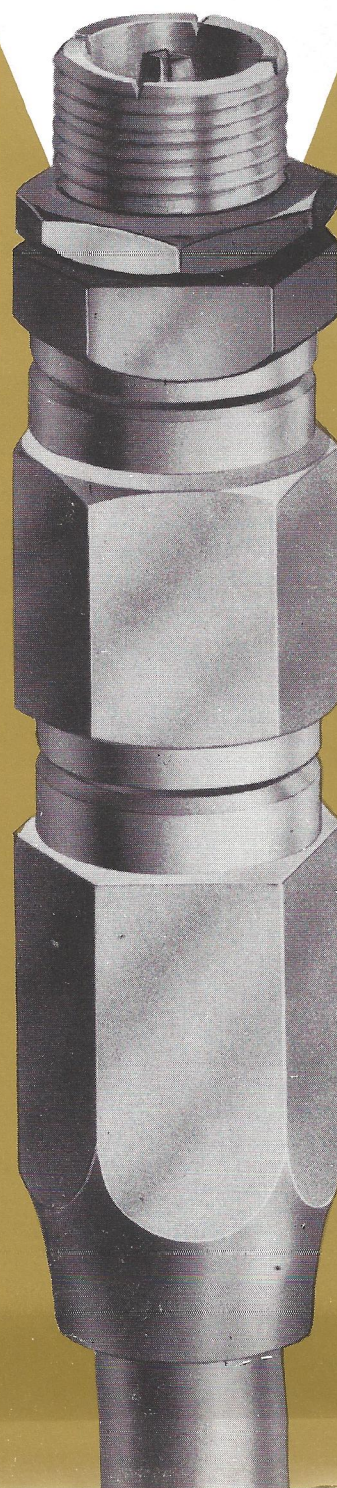
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SUPER MATCH

...a new series of
75 ohm connectors for
aluminum sheathed
coaxial cable with
features designed
exclusively by

The only fitting with
ONE INCH
CENTER CONDUCTOR
ENGAGEMENT

viking



WEATHER-PROOF

Dual "O" Ring moisture seal.

MECHANICALLY STABLE

Aluminum cable jacket retained by a serrated ferrule, providing controlled clamping and reducing jacket distortion.

WEATHER-PROOF

Dual "O" Ring moisture seal.

MECHANICALLY STABLE

The unique conductor centering feature provides quick and positive entry to contact preventing contact breakage.

ONE
FULL INCH
center
conductor
engagement

EXTENDED CONTACT SURFACE

A two inch insertion of the cable jacket within the body of connector.

WEATHER-PROOF

Vik-O-Process plated for years of added service and durability without corrosion problems.

EXTENDED CONTACT SURFACE

A full one inch engagement of the copper conductor into the spring fingers of the silver plated center contact.

VSWR:

Less than 1.05-1 across the VHF Band
Minimal insertion disturbance
Maximum transfer of RF energy.

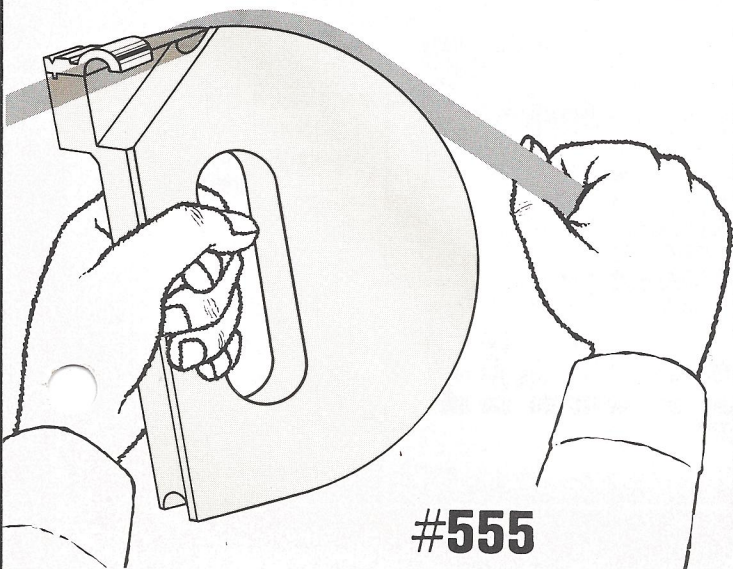
IMPEDANCE 75 OHMS: Excellent match to existing cables and amplifier input output circuits.

MECHANICALLY STABLE: Extended insertion lengths dampen vibrations and reduces metal fatigue at point of entry of cable into connector.

EXTENDED CONTACT SURFACE: Both extended insertion lengths prevent cable-to-connector pull out over environmental extremes.

LOOP FORMING TOOL FOR ALUMINUM CABLE

ONLY \$12.95



#555

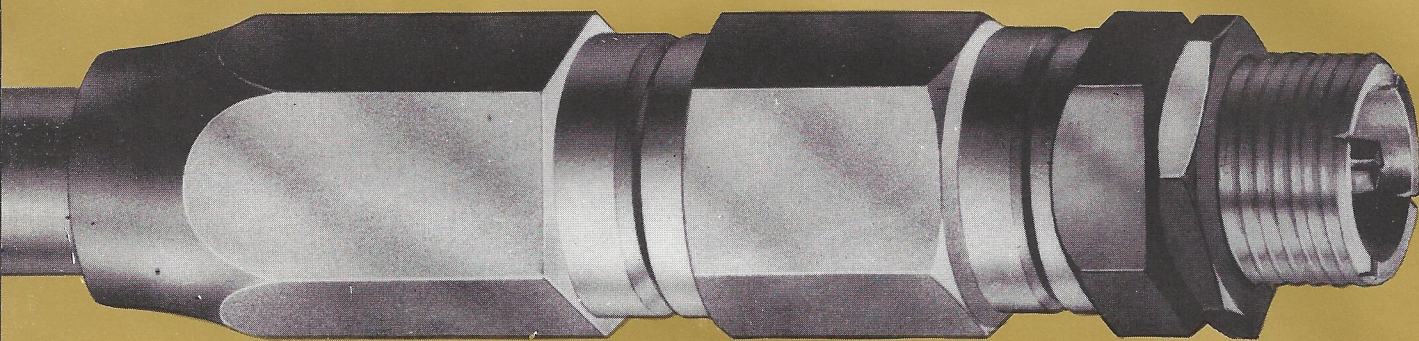
MADE OF HARD OAK GROOVED TO ACCOMMODATE ALL ALUMINUM CABLES UP TO 1/2" JACKET O.D.
• LIGHT, EASY TO CARRY

It is impossible to install aluminum cable without stressing it in some manner. It is the purpose of stress relief loops and loops at every point at which a cable is cut to add increased friction and to add into the specific length of cable a section which can act as a reservoir from which the aluminum can shrink and consequently reduce connector pull out. Another benefit of these loops is to provide clearance for hardware which might abrade the jacket.

In order to standardize the practices of aluminum cable usage, Viking has made available loop forming tools to insure that all stress relief loops are uniform size and to insure that they will offer a maximum protection against pullouts during extreme temperature changes.

"SM" (Super Match) A new series of 75 ohm connectors for Aluminum Sheathed Coaxial Cables by **viking**

- Can carry more than 10 amps of current
- Maximum Benefit from low VSWR Coaxial Cables
- Maximum reliability of cable to connector engagement under environmental extremes
- Maximum current carrying capability in cable powered systems
- Minimum insertion loss and line disturbances
- No disassembly of connector required for installation on cable



WHY A NEW SERIES OF CONNECTORS?

Viking has recently completed an evaluation program of cable connectors used for CATV installations. We have tested and evaluated almost all the connectors currently being distributed in the CATV market. Of these connectors, few have come close to representing a reliable, mechanically stable and electrically matched component.

Viking's Research and Engineering staff has developed a new series of connectors which has been designed as a matched component for CATV transmission systems. This "SM-Super Match" series of connectors has numerous original design features.

The "SM-Super Match" series of connectors upgrades transmission line quality and reliability, offering the following EXCLUSIVE FEATURES:

- A full ONE INCH engagement of the copper conductor into the spring fingers of the silver plated contact. The combination of contact metals is compatible, as shown in the anodic table of MIL-F-14072. The unique conductor centering feature provides quick and positive entry to contact - preventing contact breakage. Current carrying capability in cable powered systems is maximized. NO OTHER CONNECTOR HAS THIS EXCLUSIVE FEATURE!
- The body of the connector envelops the jacket of the cable over a length of approximately TWO INCHES preventing cable-to-connector pull out over environmental extremes. Extended insertion lengths dampens vibrations and reduces metal fatigue at point of entry of cable connector. The aluminum cable jacket is retained by a serrated ferrule, providing controlled clamping and reduced jacket distortion. NO OTHER CONNECTOR HAS THIS EXCLUSIVE FEATURE!
- The connector is electrically matched to the 75 OHM transmission line system, providing minimum insertion loss, minimum line disturbances and maximum benefit from low V.S.W.R. coaxial cables. A low V.S.W.R. of 1.05:1.0 maximum across the VHF band minimizes insertion disturbances and provides for maximum transfer of RF energy. Teflon dielectric offers additional electrical and environmental reliability. NO OTHER CONNECTOR HAS THIS EXCLUSIVE FEATURE!
- All connectors are weather-proofed. Corrosion protection is provided by the VIK-O-PROCESS, an exclusive feature of Viking, providing years of added service and durability. In addition, two "O" rings provide an excellent moisture seal at the cable entry. NO OTHER CONNECTOR HAS THIS EXCLUSIVE FEATURE!

These exclusive and unique features makes the "SM-Super Match" the only connector series designed specifically for CATV application, providing increased system reliability - ease of installation and maintenance - upgraded transmission line levels, all contributing to improved picture quality.

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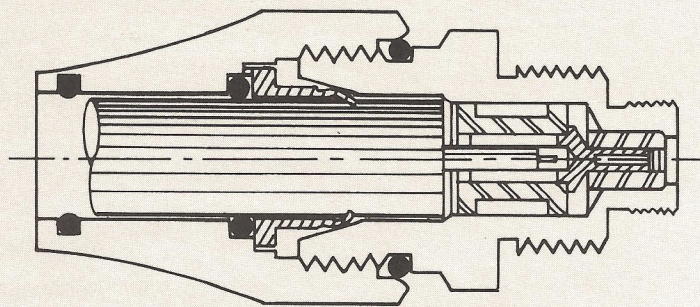


TECHNICAL BULLETIN and ENGINEERING SPECIFICATIONS

ALUMINUM CONNECTORS for ALUMINUM SHEATHED COAXIAL CABLES

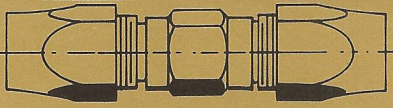
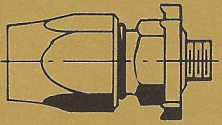
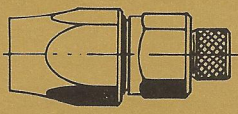
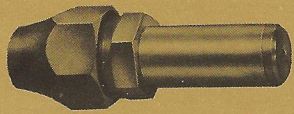
E-Z-Lock *fittings* FOR ALUMINUM CABLES

- SOLDERLESS
- WEATHERPROOF
- SELF-ALIGNED CABLE ENTRY AND CONNECTION
- 75 OHMS
- LOW VSWR
- FURNISHED COMPLETELY ASSEMBLED, FINGER TIGHT



- MATERIAL: ALUMINUM IRIDITE FINISH
- DUAL "O" RING SEAL

ALUMINUM FITTINGS FOR ALUMINUM CABLES

ASSEMBLED VIEW	DESCRIPTION	VIKING PART NUMBER		
		.412" OD CABLE	.500" OD CABLE	.750" OD CABLE
	"VIKAL" CABLE TO "VIKAL" CABLE INLINE SPLICE, COMPLETE ASSEMBLY	412 SPA \$2.05	500 SPA \$3.00	750 SPA \$7.00
	"VIKAL" CABLE TO "F" TYPE MALE FITTING FURNISHED WITH "F" TYPE FEMALE FITTING ONE END AND LOCK-NUT FOR BOX MOUNTING	412 FFA \$1.65	500 FFA \$3.00	750 FFA \$5.50
	"VIKAL" CABLE TO "F" TYPE TYPE FEMALE FITTING FURNISHED WITH "F" TYPE MALE FITTING ONE END	412 FMA \$1.70	500 FMA \$3.00	750 FMA \$5.50
	TERMINATOR FOR "VIKAL" CABLE	412TA \$2.60	500TA \$3.00	—

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Manufacturers of Quality Coaxial Cables and Television System Products

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5-20-65

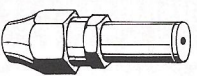
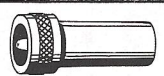
CABLE ADDRESS: JHB

Litho U.S.A.

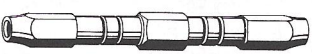
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"SM" (Super Match) — 75 ohm Connectors and Terminators for Aluminum Cables



TERMINATORS

 one inch copper engagement	SM-552	Super Match Terminator for .412 aluminum cable with full one inch engagement of center copper conductor. AC/DC Blocked.	2.70 each
	SM-553	Super Match Terminator for .500 aluminum cable with full one inch engagement of copper center conductor. AC/DC Blocked.	3.10 each
	582	Blocks power and terminates a SM 101 fitting. AC/DC Blocked.	1.75 each

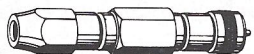



SPLICES

			100	250	500
	SM-412SP	Inline splice for "VIKAL" .412 aluminum cable complete assembly	4.75	4.50	4.20
	SM-500SP	Inline splice for "VIKAL" .500 aluminum cable complete assembly	6.75	6.40	5.95
	SM-750SP	Inline splice for "VIKAL" .750 aluminum cable complete assembly	9.40	8.75	

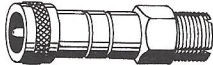
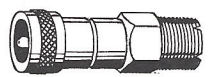

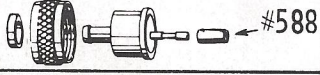
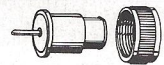
FEMALE FITTINGS

	SM-412F	Female adaptor for "VIKAL" .412 aluminum cable — Supplied with locknut for bulkhead mounting	3.85	3.65	3.40
	SM-500F	Female adaptor for "VIKAL" .500 aluminum cable — Supplied with locknut for bulkhead mounting	4.75	4.50	4.20
	SM-750F	Female adaptor for "VIKAL" .750 aluminum cable — Supplied with locknut for bulkhead mounting	7.95	6.75	
	SM-101	Female chassis mount. Fits thru 3/8" panel hole	1.05	.97	.93

MALE FITTINGS

	SM-412M	Male adaptor for "VIKAL" .412 aluminum cable	3.80	3.60	3.35
	SM-500M	Male adaptor for "VIKAL" .500 aluminum cable	4.85	4.60	4.30
	SM-750M	Male adaptor for "VIKAL" .750 aluminum cable	7.95	6.75	
	SM-59	Cable end for 59/U Cable mates with SM female	.58	.57	.55
	SM-11M	Adapts 11U cables to fit Super Match Female fittings.	.90	.83	
	SM-F	Adapts "F" Female fittings to Super Match Female fittings.	1.50	1.25	

MISCELLANEOUS

	578	Fixed Attenuator Pad designed to be used with Super-Matched fittings. Unit will pass A.C. or D.C. Power. Available in 3db, 6db 10db or 20db. Furnished with Super Match Male on one end and Female on the other.	4.30 each
	579	Blocking Condenser to block power where no power is required. Designed to be used with Super-Matched fittings with SM Male on one end and SM Female on the other end.	3.10 each
	JUMPER LEAD 572	Adapts SM Females to "F" fittings. Consists of SM59 fitting 12" of 59U and 906 assembled ready for use. Longer lengths on request.	.85 each
	588	UHF adaptor for Super Match. Converts Super Match to UHF.	.10 each
	SM308/480	Connector for 308 Strip Braid or 480 Corrugated to Super Match Connectors. For use with Jumper for 308 and 480 Cables.	.52 each

**ONE
FULL INCH
engagement
of center
conductor
on all
Super Match
Connectors
and
Terminators**



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AMPLIFIER SHOWN WITH
PROTECTIVE COVER REMOVED



947

ATLAS

**HIGH POWER, HIGH GAIN
TRUNK LINE AMPLIFIER**

FOR THE FIRST TIME!
an amplifier that you can truly
derate for cascade operation

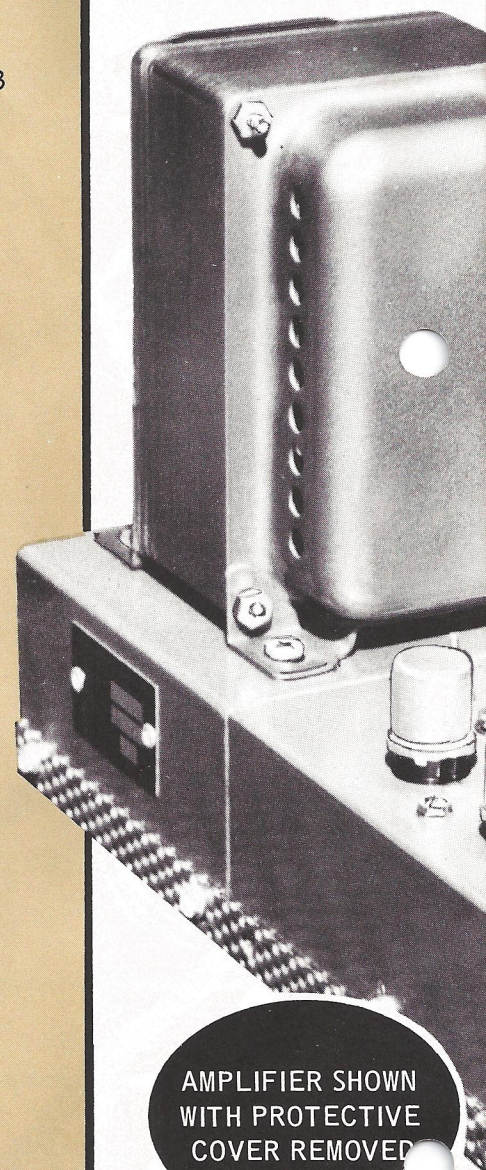


#947 "ATLAS" TRUNK LINE AMPLIFIER

SPECIFICATIONS

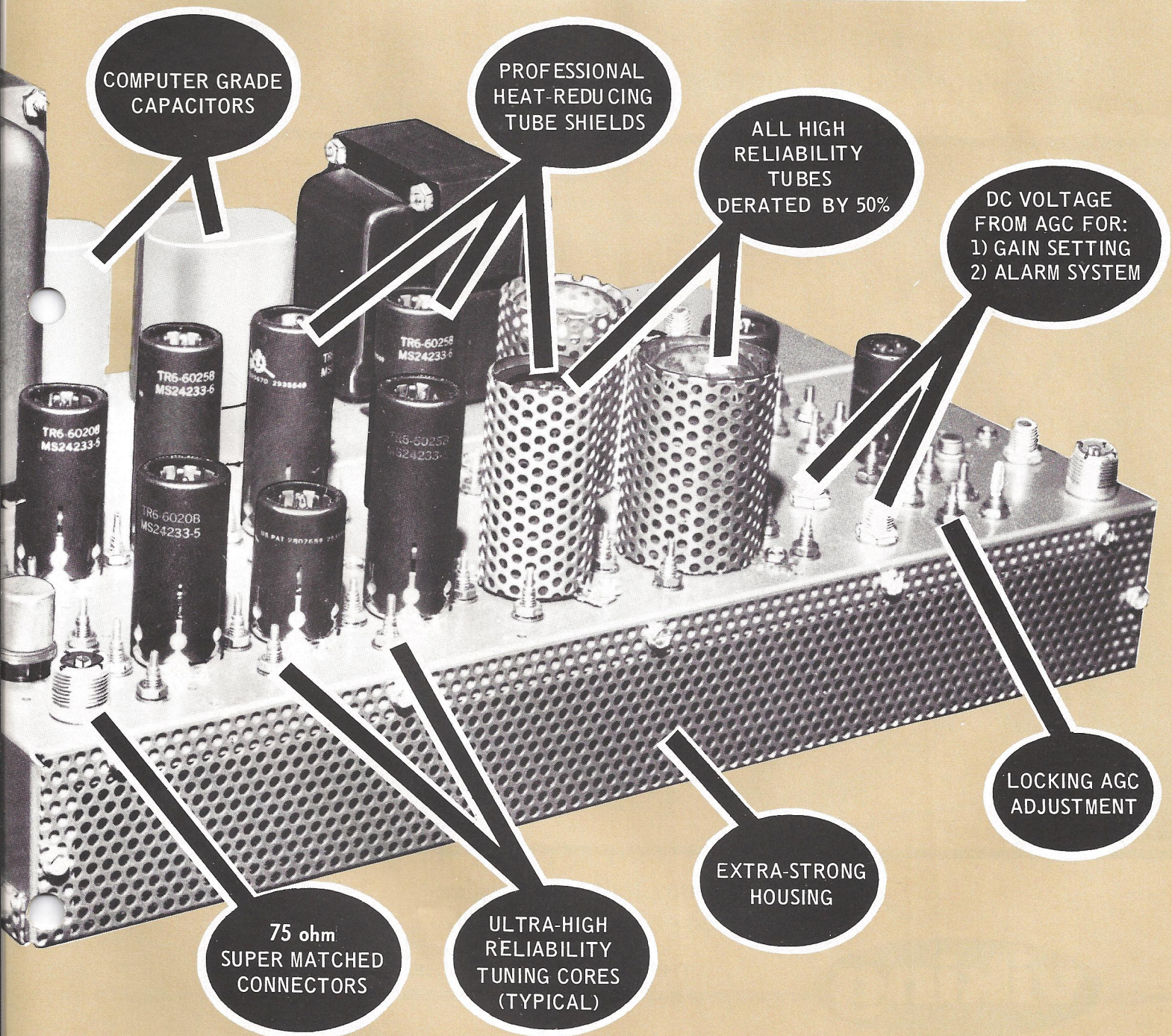
Bandwidth	53-108 mc	173-217 mc
Gain, Maximum at Manual Setting	30 db	40 db
Recommended, Long Distance Spacing	+20 db	+30 db
Frequency Response	± 0.5 db	
VSWR, 75 ohms	In 1.2:1 Out 1.5:1	
Tilt, Factory Adjusted	+4 db (Ch. 6/Ch. 2)...	+3.5db (Ch. 13/Ch. 7)
Tilt Control Range		
by Realignment	+ 3db	
Gain Control Range		
Continuously Variable	10db	
By Means of Plug-In		
Attenuators in steps of 3db	18 db	
Noise Figure, ±1db	10db	9 db
Gain Stability for ± 10%		
Line Voltage Variation	± 0.4 db	
Output Level, Recommended,		
32 Amplifiers Cascaded (12 Chs.)...	+ 33 dbmv at Ch. 6 ...	+ 42 dbmv at Ch. 13
Maximum, Single Amplifier,		
at -57 dbm cross-modulation (12 Chs.)	+ 50 dbmv	+ 60 dbmv
Minimum for Proper AGC	+ 31 dbmv	+ 40 dbmv
Output Level Control Range	+35 to + 38	+45 to + 48
Input Level, Recommended		
(Odb Pads)	+13dbmv	+12dbmv
Minimum for Proper AGC	+ 5 dbmv	
Maximum, Single Amplifier		
Before Cross modulation (12 Chs.) ..	+ 20 dbmv	
AGC, Maximum Output Variation		
for ±10db Input Variation	± 0.5 db	
AGC Reference	Composite Signal	
Connectors "In," "Out" and		
"Out-10 db"	VK101	
Test Points, "Out " "Hi AGC"		
and "Lo AGC"	VF 61	
Controls (4)	AGC LEVEL,	
	MANUAL GAIN	
Switches (2)	"MAN-AGC"	
Tubes		
	(1) 6922	(1) 6922
	(3) 12BY7A special ..	(1) 12BY7A special
	(1) 7984	(1) 7984
	(1) 6688	(1) 6688
	(1) 5726	(1) 8233
Rectifiers	Silicon controlled	
	avalanche, 946-30	
Fuses, Primary	3AG 3 amp 125v	
	slow blow	
B+	3AG 0.6 amp	
	125 v slow blow	
Screen	3AG 0.3/8	
	125 v slow blow	
Power Requirements	115 v 60 cps 195 w	
Mounting	Four rubber bumpers	
	(horizontal position)	
Dimensions	16¼" × 10¼" × 7½"	
Weight	27½ lb	

\$485.00 ea.



AMPLIFIER SHOWN
WITH PROTECTIVE
COVER REMOVED

Since the Viking Trunk Line amplifier may be widely spaced, the finest system quality is guaranteed together with the lowest overall system cost. This is due to low installation, power station, operating and maintenance costs because of the smaller number of amplifiers required. To guarantee long life, operate the amplifier in a ventilated housing.

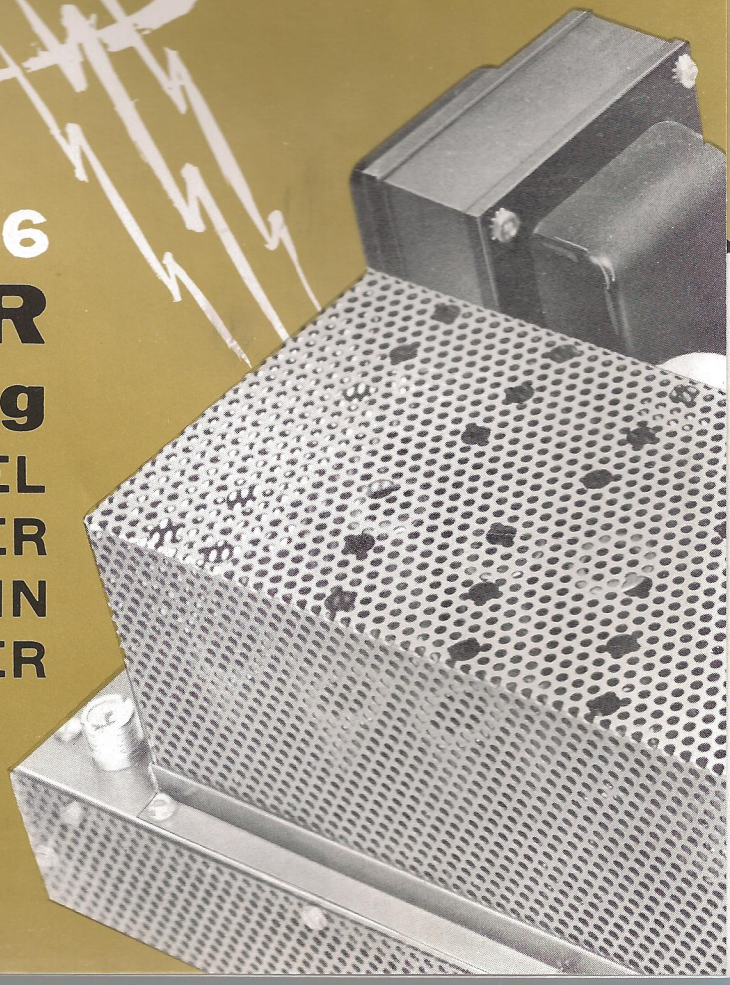




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THE #946
"Mighty" THOR
by **viking**
HI-LEVEL
HI-POWER
HI-GAIN
DISTRIBUTION AMPLIFIER



#946 "Mighty" THOR DISTRIBUTION AMPLIFIER

SPECIFICATIONS

GAIN,

54-108 mc : 40 db.
174-216 mc : 43 db.

FREQUENCY RESPONSE : ± 0.25 db.

VSWR,

Input : 1.2:1
Outputs : 1.5:1

TILT, Factory Adjustment : 0 db.

TILT RANGE, Adjustment : ± 2 db.

TILT RANGE, Re-alignment : from flat to full tilt

GAIN CONTROL,

Continuous : ± 4 db.
Plug-in pads : 0 to 18 db in 3 db step

GAIN STABILITY

For $\pm 10\%$ line voltage : ± 0.8 db

NOISE FIGURE : 9 db, Average

OUTPUT LEVEL,

Low Band

Hi Band

Recommended : + 46 dbmv + 50 dbmv
Maximum : + 49 dbmv + 53 dbmv

INPUT LEVEL,

Recommended : $\left\{ \begin{array}{l} +6 \text{ dbmv from AGC source} \\ 0 \text{ dbmv from non-AGC source} \end{array} \right. \dots + 7 \text{ dbmv}$
Maximum : $\left\{ \begin{array}{l} + 7 \text{ dbmv} \end{array} \right. \dots + 4 \text{ dbmv}$
..... : + 7 dbmv

TEST POINT LEVEL,

db below output : 42 ± 1 40 ± 1

CONNECTORS,

RF : SM101
Test Point : VF- 61

TUBES..... : (1) 6922 (1) 6922
..... (2) 6688 (2) 6688
..... (1) 8233 (1) 8233
..... (1) 7984 (2) 7984

RECTIFIERS : Silicon, Controlled Avalanche 946-30

FUSES,

Primary : 3 AMP, Slo-Blo, 3 AG
B+ : 1 AMP, Slo-Blo, 3 AG
Screens : 1/8 AMP, Slo-Blo, 3 AG
RF outputs : 1/2 AMP, Slo-Blo, 3 AG —any output up to 2 amps. for a
total of 2 amps.

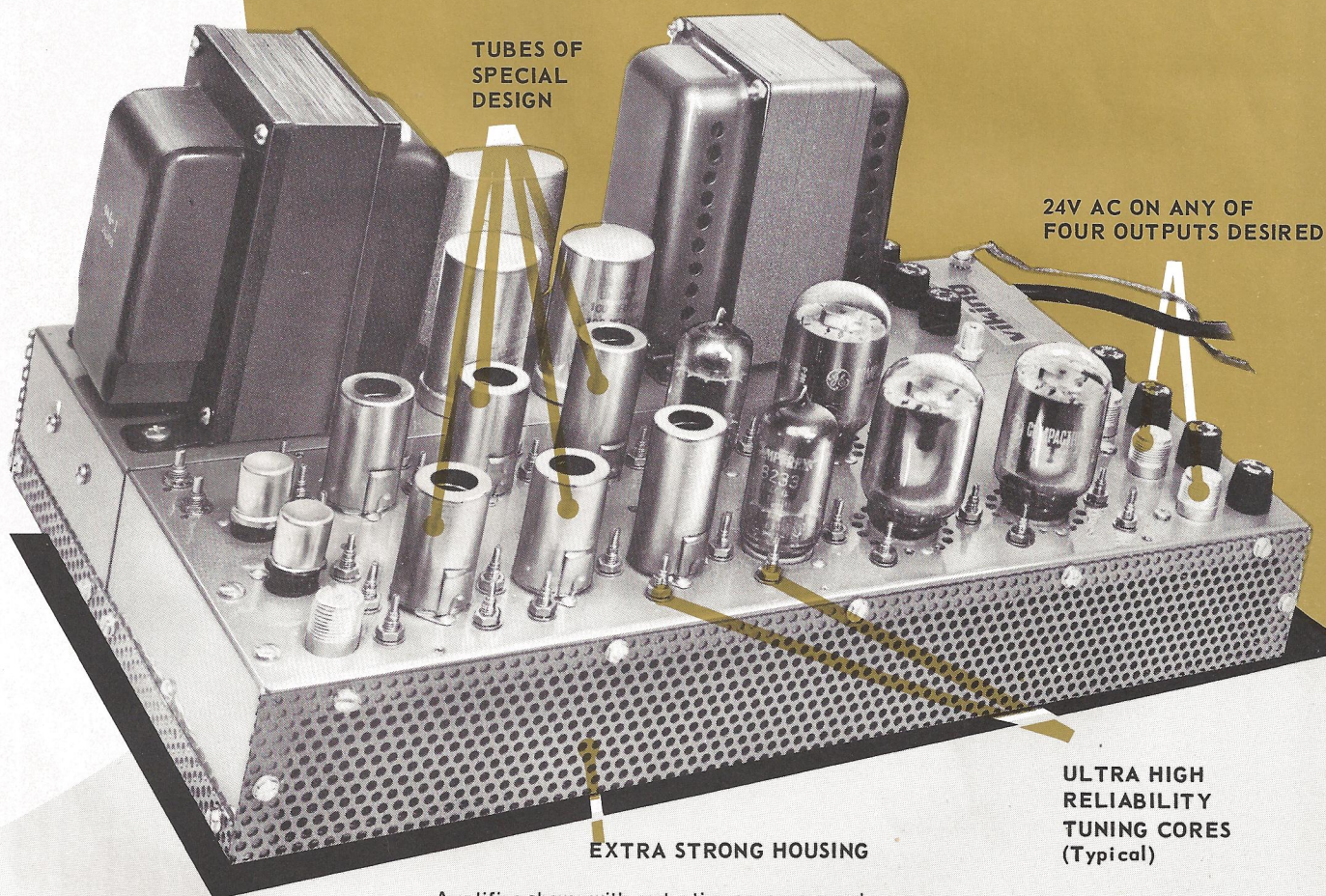
POWER : 117 VAC, 60 cps., 170 W.

Mounting..... : Four rubber bumpers
Dimensions..... : 16-1/4" x 10-1/4" x 7-1/2"
Weight : 24 lb.

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- protected against lightning surges by avalanche diode.
- the four output distribution amplifier built like a trunk amplifier.
- matched 75 ohm RF connectors.
- optional AC power provided on four outputs.
- separate low band, high band gain controls.
- provision for plug-in pad cable equalization.
- voltage regulated power supply.
- 24 V.A.C. on any/all 4 outputs desired from internal supply
- ultra high reliability tuning cores.
- all tubes derated by at least 40% for super-long life.

\$385.00 ea.



Amplifier shown with protective cover removed

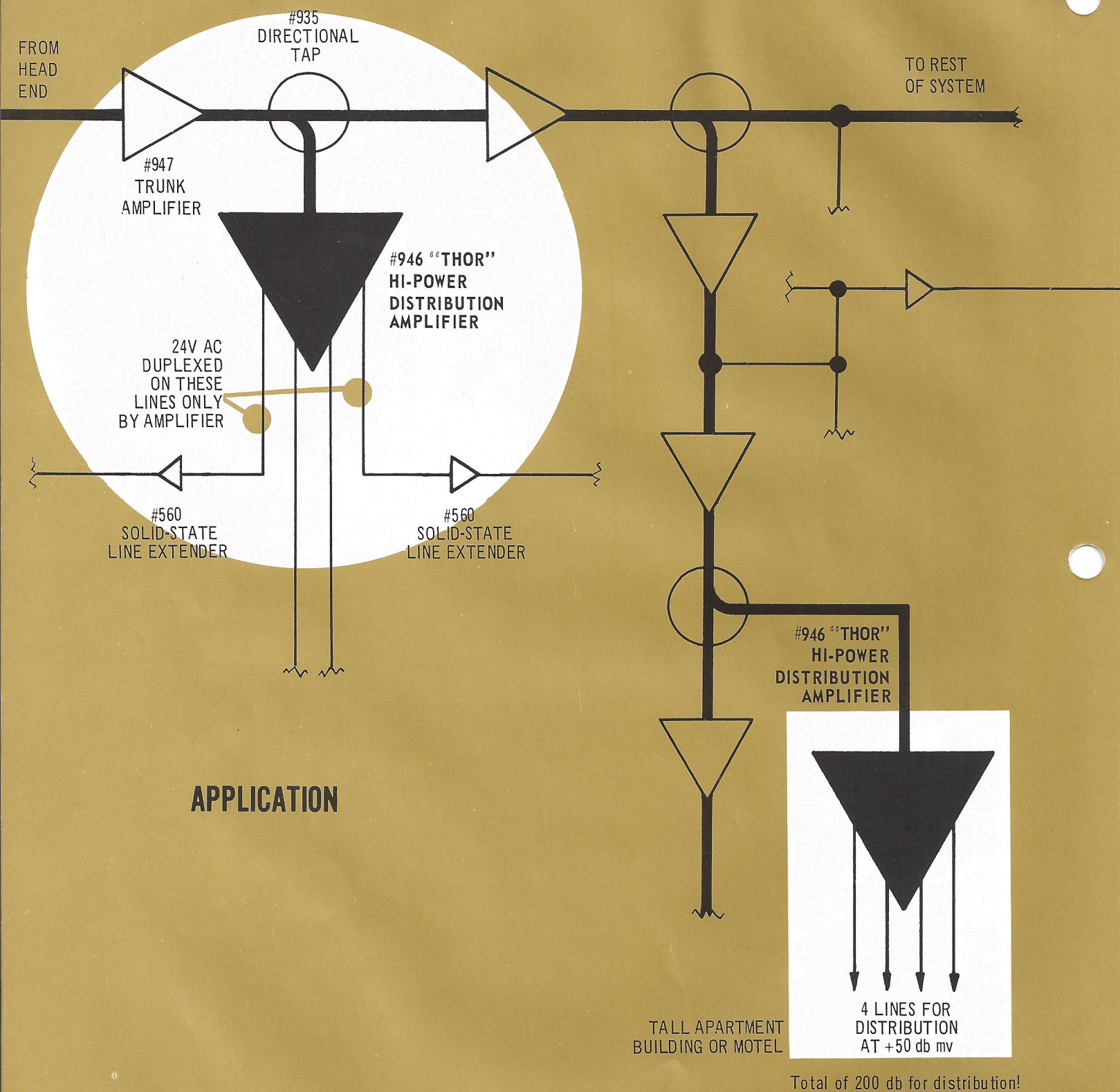
The Viking #946 High Power Distribution Amplifier is designed to feed 12 channels plus FM to four distribution lines at an output level of 50 dbmv at channel 13. Like its companion, the #947 Trunk Line Amplifier, it combines every desirable feature of the highest quality CATV amplifier on one chassis.

The #946 may be used with a directional coupler such as the #935 or at some convenient point in a distribution line. The unit has provision for plug-in pads, separate low and high band gain controls and alignment for any operating conditions. The four output connectors are individually fused so that 24 VAC power can be duplexed to any line desired for operating transistor line extenders.

A regulated power transformer guarantees stability for any line voltage from 100 to 130 VAC and greatly increases tube reliability since all filaments are held constant at derated voltage.

IMPORTANT: If 24V AC is desired on any output terminal, insert one of enclosed 0.5 ampere fuse in corresponding fuse holder.

MUST BE USED IN VENTILATED HOUSING



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40 DB GAIN BROADBAND AND FM

AMPLIFIER



**EXCELLENT FOR
BLACK AND WHITE,
COLOR TV AND
STEREO FM RECEPTION**

**ALL VHF TV
CHANNELS
AND FM**

- FOR DISTRIBUTION
- FOR LINES IN SMALL SYSTEMS
- FOR LINE EXTENDERS

940 series

SUPPLIED WITH COVER

The VIKING BROADBAND AMPLIFIER is an amplifier designed for the future. It amplifies the entire low and high TV band and the entire FM band at 40 db.

It is designed with broadband tuning in each stage so that all tubes can be changed without bandpass change. It uses passive output shaping for fine control of tilt without effect on operating characteristics. It has an ultra low noise figure comparable to headend pre-amplifiers. All this with only six tubes of two types, in either standard or 10,000 hour versions.

The features of the VIKING amplifier could only be achieved by the most advanced design techniques with the needs of the CATV industry in mind.

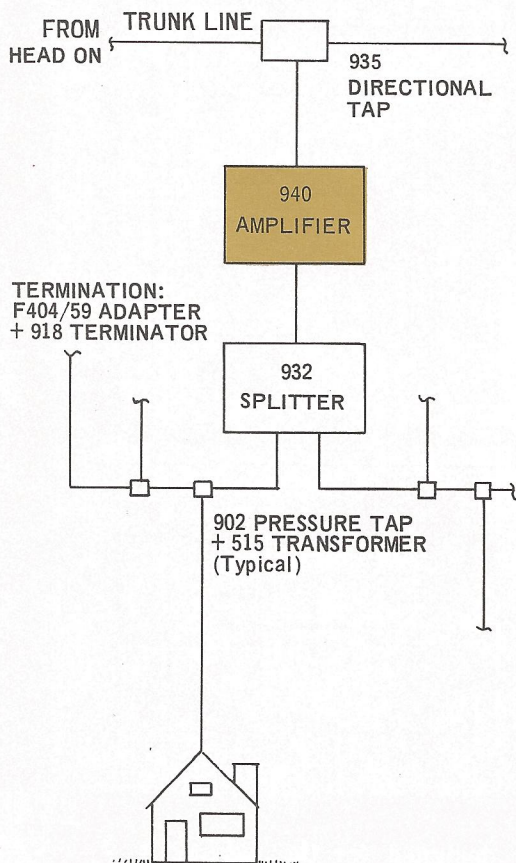
The all-band and FM coverage insures that no matter what TV or FM stations appear, this amplifier is equipped to handle them. The circuit design insures that the system operator need not "twiddle" coils or tuning cores with the exception of three tilt controls for line equalization. The proper bandpass is built-in. Since each interstage is tuned flat across the entire band, individual tube characteristics do not effect the tuning, and tubes may be replaced in the field with negligible effect on the bandpass.

Since only six tubes are used, four 6DJ8's (or 6922's), and two 12BY7A's stocking tubes for the amplifier is simplified. These high-quality tubes, used in conservative operation, guarantee excellent stability and long life.

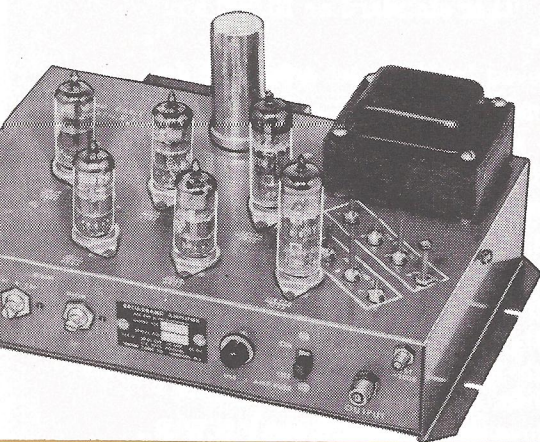
The input stage uses electronic impedance loading to achieve an excellent input V.S.W.R., and simultaneously, the correct impedance for optimum noise figure. All signals are handled at approximately the same level in the broadly tuned, non-peaked interstages, resulting in high, uniform output capability.



SPECIFICATIONS



TYPICAL CATV LAYOUT



VK 940	\$ 65.00
VK 941	\$ 75.00
VK 942	\$ 65.00
VK 943	\$ 75.00

Fittings

Tubes

F	Standard
F	10,000 hour
UHF	Standard
UHF	10,000 hour

BANDWIDTH:	54-108 mc 174-216 mc at ± 0.5 db per band
GAIN:	40 db, min.
NOISE FIGURE:	Lo band-4.5 db average Hi band-7.5 db average
GAIN CONTROLS:	Manual, to - 20 db, separate low and high band controls, bandpass remaining within ± 1 db.
TILT CONTROLS:	Lo band-6 db Hi band-5 db , flat within ± 1 db thru 27 db of cable at 88 mc and 40 db of cable at 216 mc
IMPEDANCE:	75 ohms, input and output
INPUT V.S.W.R.:	1.5:1 at full gain, maximum 1.7:1 at any setting of gain, maximum
TEST POINTS:	- 20 db., input and output
LEVELS FOR PASSABLE PICTURE:	(0 dbmv = 1 millivolt)
MINIMUM INPUT:	Lo band - 20 dbmv (100 μ v) per channel Hi band - 16 dbmv (160 μ v) per channel
MAXIMUM INPUT:	40 dbmv (.1 v.) total per band for less than 1% cross-modulation
MAXIMUM OUTPUT:	64 dbmv (1.7 v.) total per band for less than 1% or 67 dbmv (2.5 v.) for less than 3% cross-modulation
TUBES:	Standard Models-4-6DJ8, 2-12BY7A Deluxe Models-4-6922, 2-12BY7A
CONNECTORS:	Type "F" or "UHF", trunkline; Type "C", test points
RECTIFIERS:	Silicon, controlled avalanche
POWER:	117 V., 60 cps, 45 watts, 0.45 amps.
DIMENSIONS:	10" wide, 6 $\frac{5}{8}$ " deep, 5" high
SHIPPING WEIGHT:	9 pounds



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36 DB GAIN BROADBAND AND FM AMPLIFIER

950 series
SUPPLIED WITH COVER



**EXCELLENT FOR
BLACK AND WHITE,
COLOR TV AND
STEREO FM RECEPTION...**

ALL VHF CHANNELS AND FM

- FOR DISTRIBUTION
- FOR LINES IN SMALL SYSTEMS
- FOR LINE EXTENDERS

The VIK Series 950 Broadband Amplifier is an economical, small-sized and easily installed unit for small system use.

It has been designed specifically to insure the highest performance and reliability in an amplifier of its type by providing features such as full TV and FM Band coverage, tube replacement without bandpass change, low noise figure, tilt control, a minimum number of tubes and tube types. Its applications include relatively short line systems and branch lines, feeder and distribution lines, line extension, complete small systems in apartment houses, hotels, hospitals, motels and industrial buildings.

CIRCUIT DESIGN AND OPERATION

The design of the VIK Series 950 is such that all circuitry is broadly and flatly tuned across the entire band. This means that variations in tube characteristics have negligible effect on the bandpass and tube replacement does not involve retuning. Additional benefits include correct impedance matching for the best noise figure and line match as well as uniform output capability across the entire band.

Bandpass tuning for line equalization is accomplished by a triple-tuned output network in each band. Full control of tilt and bandpass shape is provided by a tilt control and special heavy coils inside the unit.

The amplifier has been carefully designed so that the gain controls can be varied without change in bandpass shape. Together with the individual band tilt control, the slope and output level of each band may be adjusted independently.

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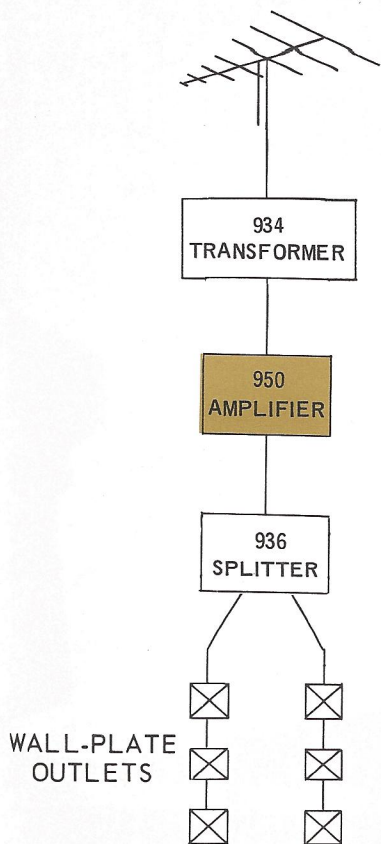
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A-9

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TYPICAL MOTEL LAYOUT



INSTALLATION

Connect the 75-ohm coaxial cable carrying incoming signals to the INPUT connector. If several antennas are used, or, more than one feeder cable, each carrying different channels, are to be amplified, they must be combined by an appropriate coupler such as the VIKING two-way and four-way splitter.

Connect the outgoing cable to the OUTPUT connector. If several lines are to be driven, a similar procedure may be followed.

Plug the power cord into a 117 V., 60 cycle receptacle.

SPECIFICATIONS

	Low band	Common	High Band
BANDWIDTH:	54-108 MC.		174-216 MC.
FLATNESS:	± 0.5 db., max.		
GAIN:	36 db., min.		
GAIN CONTROLS:	- 18 db., min.		
NOISE FIGURE:	4.5 db., av.		7.5 db, av.
TILT CONTROL:	(external) 3 db		4.5 db
IMPEDANCE:	75 ohms, input and output		
INPUT V.S.W.R.:	1.5 : 1 at full gain 1.7 : 1 at any gain setting		
SIGNAL LEVELS:	(for passable picture) min. input: 100 μ v/ch. 160 μ v/ch. max. input: 0.1v/band 0.1v/band max. output: 1.7v/band 1.7v/band		
TUBES:	3-6DJ8, 2 - 12BY7A		
RECTIFIERS:	Silicon, controlled avalanche		
POWER:	117 V., 60 cps, 43 watts, 0.45 amps		
FUSE:	1 amp.		
MODEL:	#VIK 950 "F" connectors _____ \$48.00		
	#VIK 952 "UHF" connectors _____ \$48.00		

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25 DB GAIN BROADBAND AND FM

AMPLIFIER

SUPPLIED WITH COVER

**EXCELLENT FOR
BLACK AND WHITE,
COLOR TV AND
STEREO FM
RECEPTION**



ALL VHF CHANNELS AND FM

- FOR FEEDER LINES
- FOR DISTRIBUTION
- FOR MOTELS, GARDEN APTS., ETC.

The Viking 955 Broadband Amplifier has been designed with every possible feature for TV and FM use:-

- 75 or 300 ohm connectors for both input and output – no matching transformers necessary.
- Separate low and high band gain controls for signal balancing.
- Reliable framegrid tubes used throughout.
- Low noise circuit to utilize weak signals.
- Matched input to eliminate ghosts and smears from antenna lead.
- Plus big amplifier design features such as:
Silicon rectifier, separate low and high band amplification.
- Excellent for black & white, color and stereo FM.
- For feeder line and stereo distribution, small motels and garden apts.



#955 series

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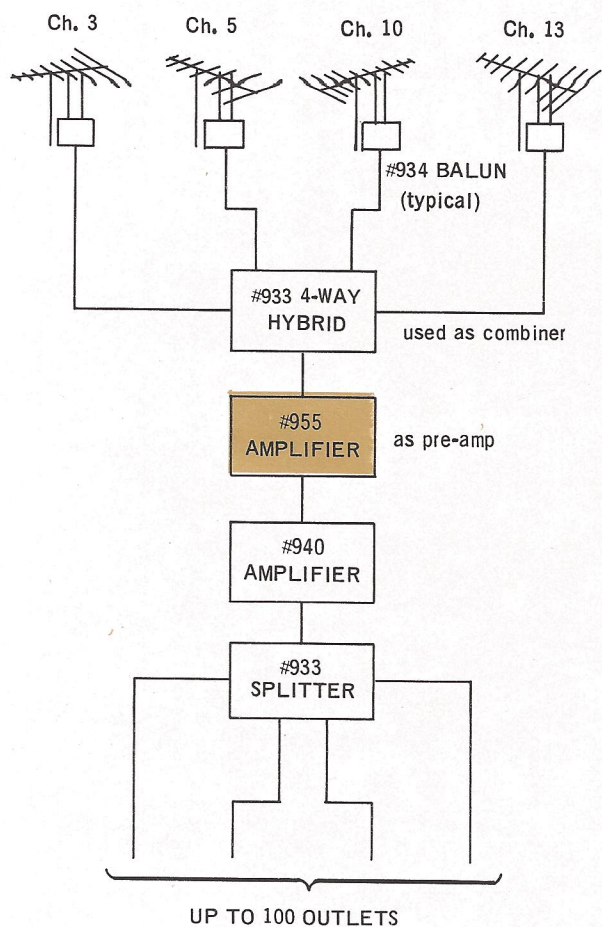
Manufacturers of Quality Coaxial Cables and Television System Products

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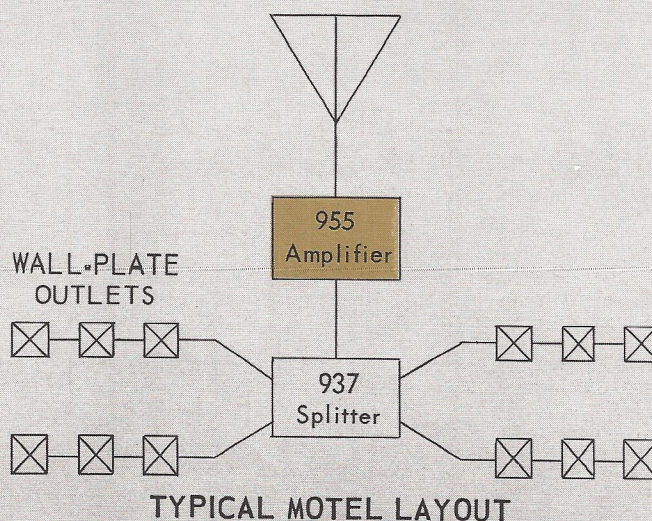
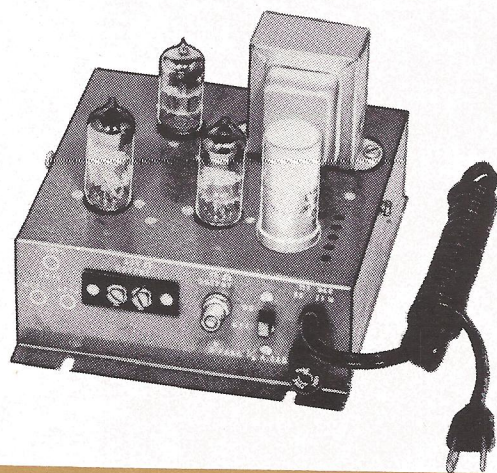


SPECIFICATIONS

Gain:	25 db minimum
Impedance:	75, or 300 ohm, input and output
Band Pass:	54-108 mc, 174-216 mc.
Flatness:	± 1 db max. (300 ohms)
Input VSWR:	1.4:1 Max. at full gain.
Gain Control:	Separate for each band.
Signal Levels:	(75 ohm)
Input, min.:	100 μ V/ch, low band
Output:	For 1% distortion 1.5 volts/band
Impedance:	
Input:	75 ohm or 300 ohm
Output:	75 ohm or 300 ohm
Tube Complement:	1 - 6DJ8 2 - 6EJ7's
Rectifier:	Silicon, controlled avalanche
Power Requirements:	117 VAC 60 cps AC, 20 Watts B+ Fuse, 1/8 Amp., 3 AG
Dimensions:	6½" x 6" x 5¼"
Shipping Weight:	4½ Lbs.
Cost:	\$29.00 Per unit



APPLICATION

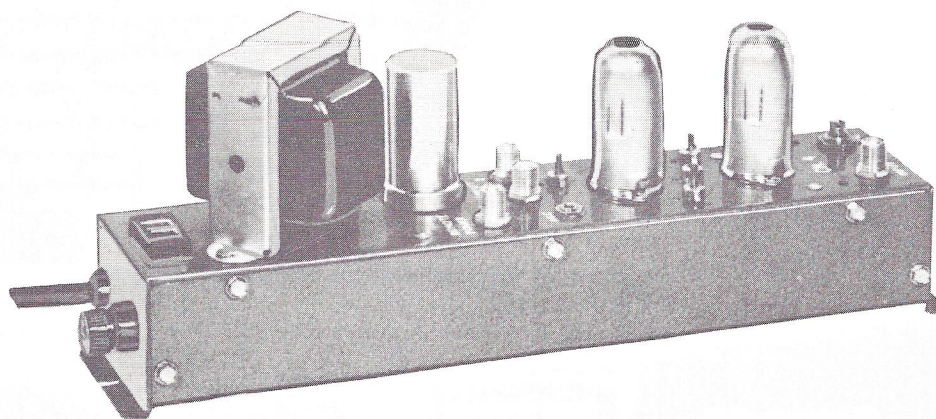


TYPICAL MOTEL LAYOUT



viking

SINGLE CHANNEL AMPLIFIER



945

\$39⁰⁰
ea.

The Viking Single Channel Amplifier has been designed to provide every feature that a CATV system requires

- Matched Input
- Matched, Bridging Outputs
- Optional Remote Power Supply
- Optional AGC *
- High Gain with 17 DB of gain control
- Ultra Low Noise Cascade Circuitry

Any type of signal condition can be handled from extremely weak signals to very strong local pickups. The amplifier has high rejection of adjacent channels which will eliminate much adjacent channel interference.

Any combination of (usually) non-adjacent channels may be used. Their outputs may then be combined into a single output. Also two amplifiers may be cascaded for super high gain.

All these features have been achieved with only two frame grid tubes in conservative operation.

In multi-amplifier installations, either combine RF outputs with a hybrid coupler, such as Viking #933, or as shown on reverse side. In the latter case, it is advisable to check the over all alignment with a broad band sweep.

*595

SPECIFICATIONS

Bandwidth	: Any 6MC. TV Channel or 20 MC. FM Band		
Response	: ± 0.5 db, max.		
Impedance	:		
Input, 75 ohms	Output, Two 75 ohms, bridged		
Input V.S.W.R.	: 1.4:1, max.		
Gain Control	: 17 db range, min.		
Automatic Gain Control	: Miniature telephone Jack provided for adding optional unit.		
Channels	: 2-6	FM	7-13
Gain, db, min.	:		
Single output	47	30	34
Noise Figure, db, average	: 3.5	4.5	8
Levels for Passable Picture,			
Minimum input, μ v.:	75	95	150
Maximum output, : 1.5	1.5	1	
per output, volts			
($\frac{1}{2}$ db sync compression)			
Tubes	: 2-6DJ8, standard 2-6922 on special order \$5.00 addit.		
Connectors	: 75 - Type "F"		
Power	: 117 V., 60 cps., 0.20 amps.		

SEE INSIDE

Amplifier may be powered with 12.6 VAC. duplexed on cable by #949 remote power supply. — \$15.00 ea.

Dimensions	: 12" L., 2½" W., 4¾" H.
Shipping Weight	: 4 pounds

Specify channel number and special tubes if desired.

SEE INSIDE FOR REMOTE POWER SUPPLY

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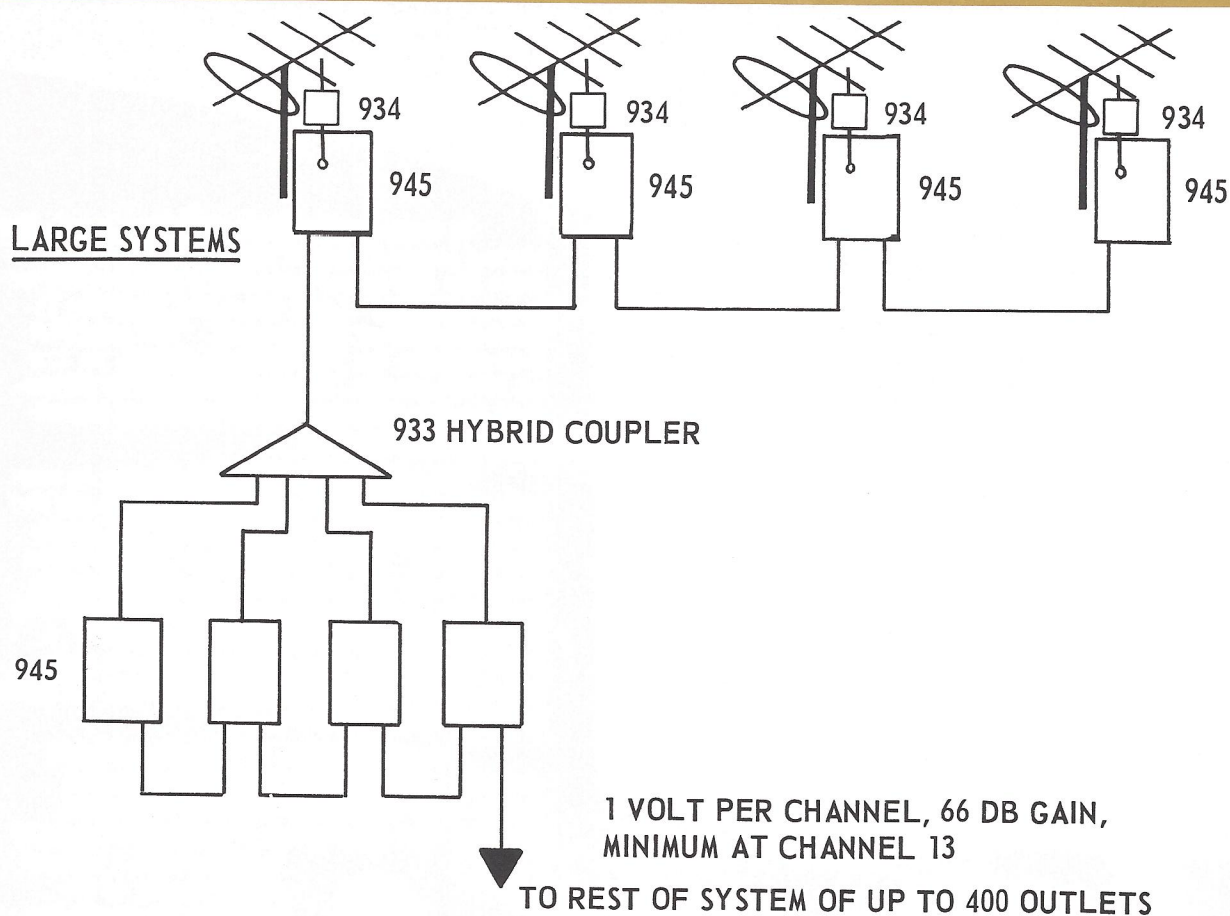
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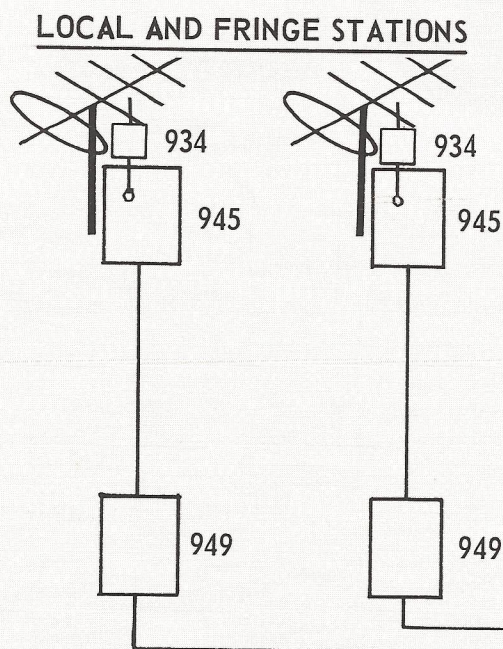
A-8



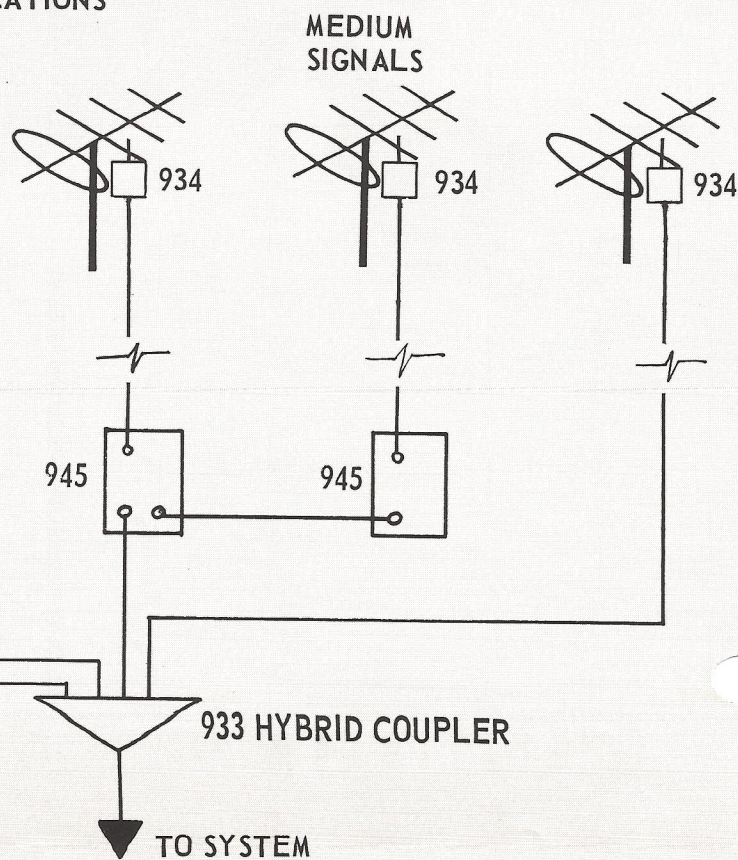
CHANNEL AMPLIFIER APPLICATIONS



APPLICATIONS



FRINGE
SIGNALS



PLUG-IN CHANNEL STRIP AGC MODULE



#595

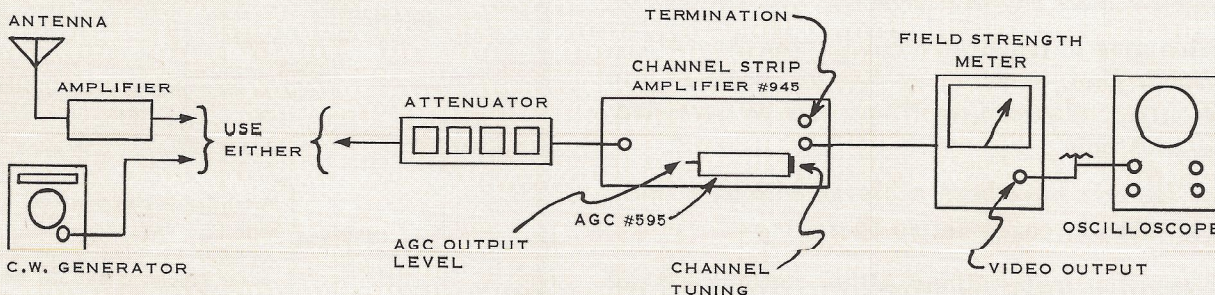
\$22⁵⁰

SPECIFICATIONS

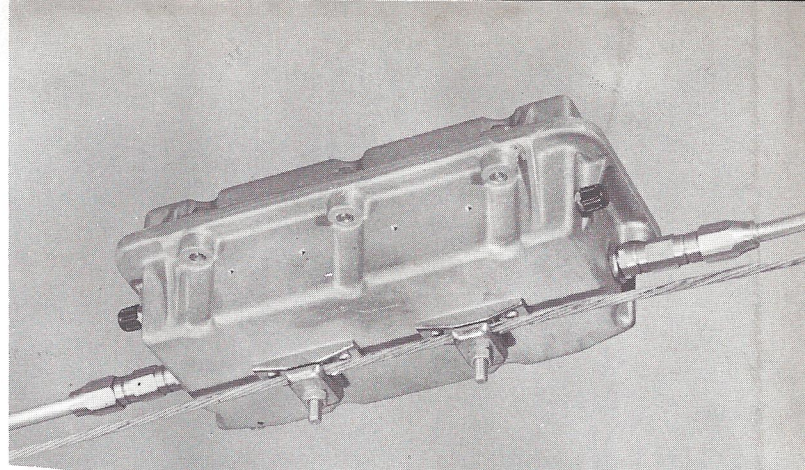
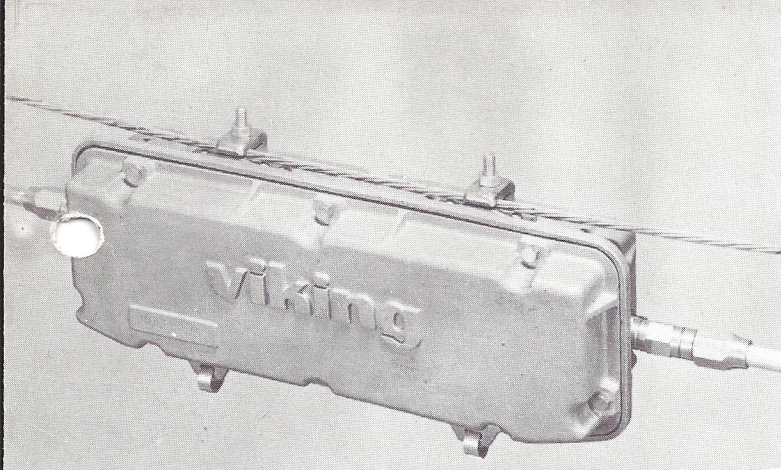
Channels:	2, 3	4, 5, 6	7 thru 13
Model:	595/2-3	595/4-6	595/7-13
Signal levels for AGC hold			
minimum input to amplifier	4 dbmv	4 dbmv	20 dbmv
maximum output from amplifier	64 dbmv	64 dbmv	60 dbmv
AGC range for $\pm .5$ db output change	± 10 db	± 10 db	± 10 db
Power:	5 m.v., taken from 945 amplifier		
Dimensions:	2 5/8 high \times 3 1/4 wide \times 1 1/6 deep		

Installation Instructions

1. Plug the Model 595 AGC module into the 945 amplifier. The RF connector pushes into the "R.F. + 12 V.A.C." connector and the telephone plug pushes into the "AGC" jack. This holds the unit firmly in place.
2. Terminate one of the two outputs.
3. Connect a field strength meter (FSM) to the other output and tune it to the Video frequency of the same channel as the channel strip amplifier.
4. Connect a TV signal — either off-the-air or C.W., but not a sweep signal — to the combination amplifier and AGC module and plug in the amplifier.



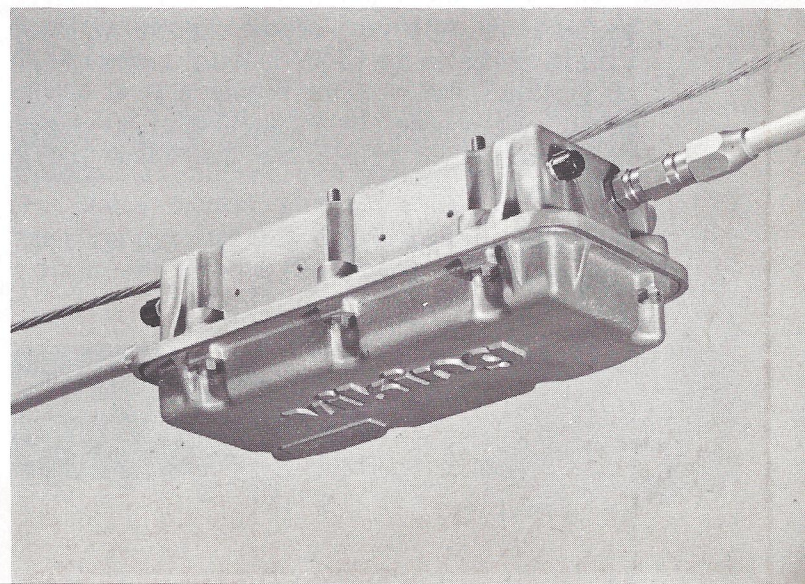
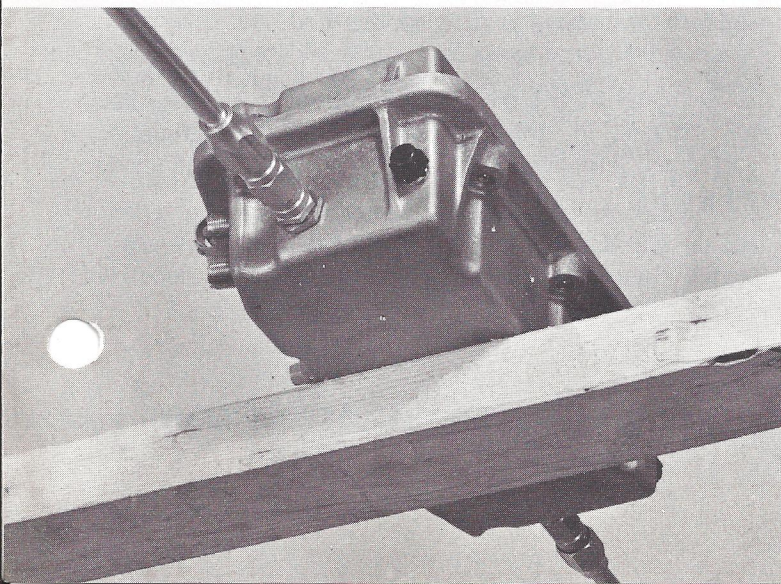
5. Adjust the input signal to a high level—approximately 1 volt. Turn the "AGC Output Level" potentiometer until the FSM shows approximately 3 db decrease in output from the maximum signal.
6. Adjust the "Channel Tuning" trimmer for a dip in the output level. This tunes the 595 to the correct channel.
7. The "AGC Output Level" potentiometer may now be set for the correct output level with the proper signal level at the input of the amplifier.

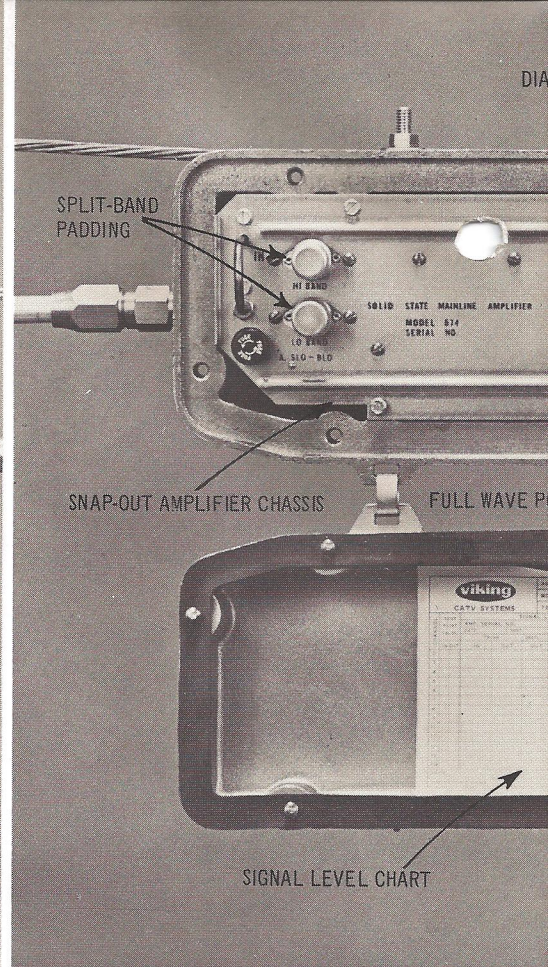
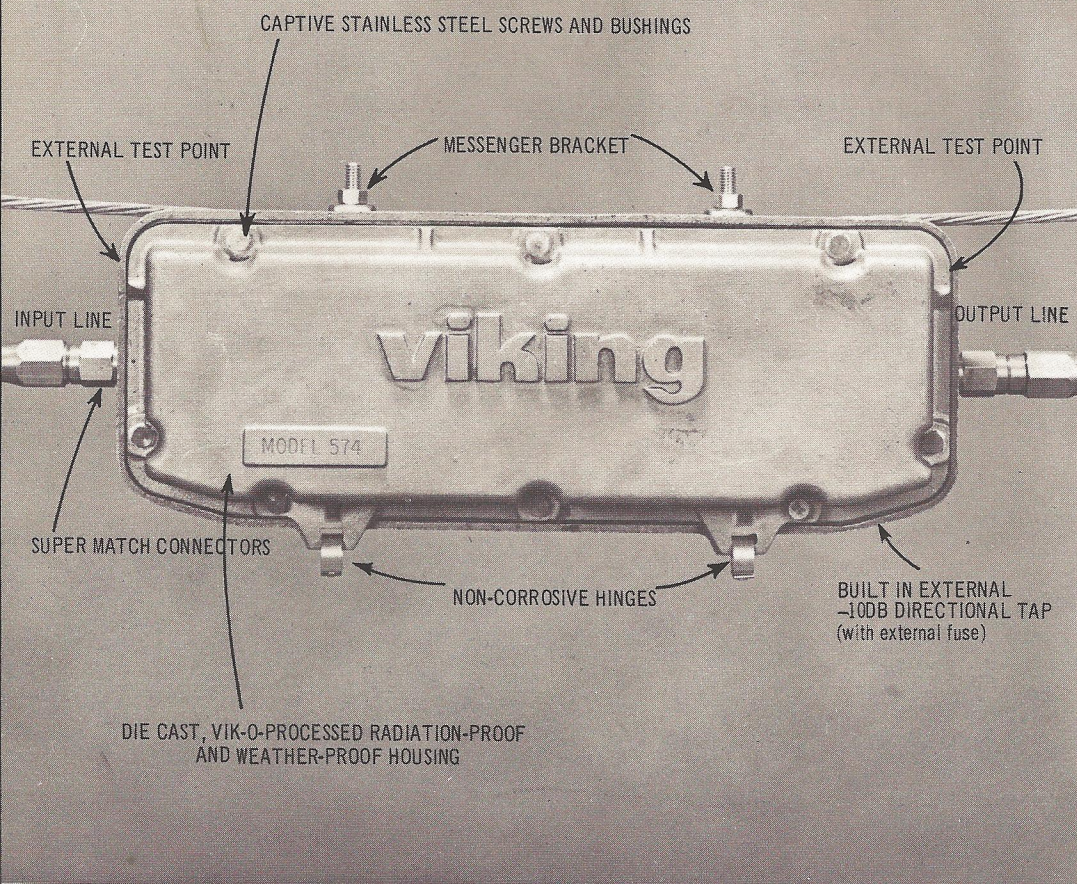


viking



HIGH LEVEL INLINE MODULAR SOLID STATE AMPLIFIERS





Why not go VIKING SOLID STATE?

Viking's all new HIGH LEVEL INLINE MODULAR SOLID STATE AMPLIFIERS have been designed to provide MORE CASCADABILITY, HIGHER GAIN, LOWER NOISE FIGURE and MORE OUTPUT CAPABILITY than any other competitive design...with all silicon RF transistors and rectifiers.

No other Solid State Amplifiers offer so much value at so low a cost. After years of research and development VIKING brings to the CATV industry a complete line of amplifiers that meet the requirements of an ALL-BAND system necessitating the use of fewer amplifiers resulting in trouble free installation and low maintenance costs.

GO VIKING FOR THE FINEST SOLID STATE EQUIPMENT.

VIKING SOLID STATE AMPLIFIERS offer all of these valuable features:

60 AMPLIFIER CASCADABILITY — a 12 channel system of more than 60 main line amplifiers in series or better than 1400db of cable can be built for signal-to-noise ratio in excess of 40db.

LOWEST NOISE FIGURE — at full gain, 10db maximum — At 10db gain reduction 12db maximum.

OUTPUT CAPABILITY — 50dbmv minimum at 57 db crossmodulation, full-tilted.

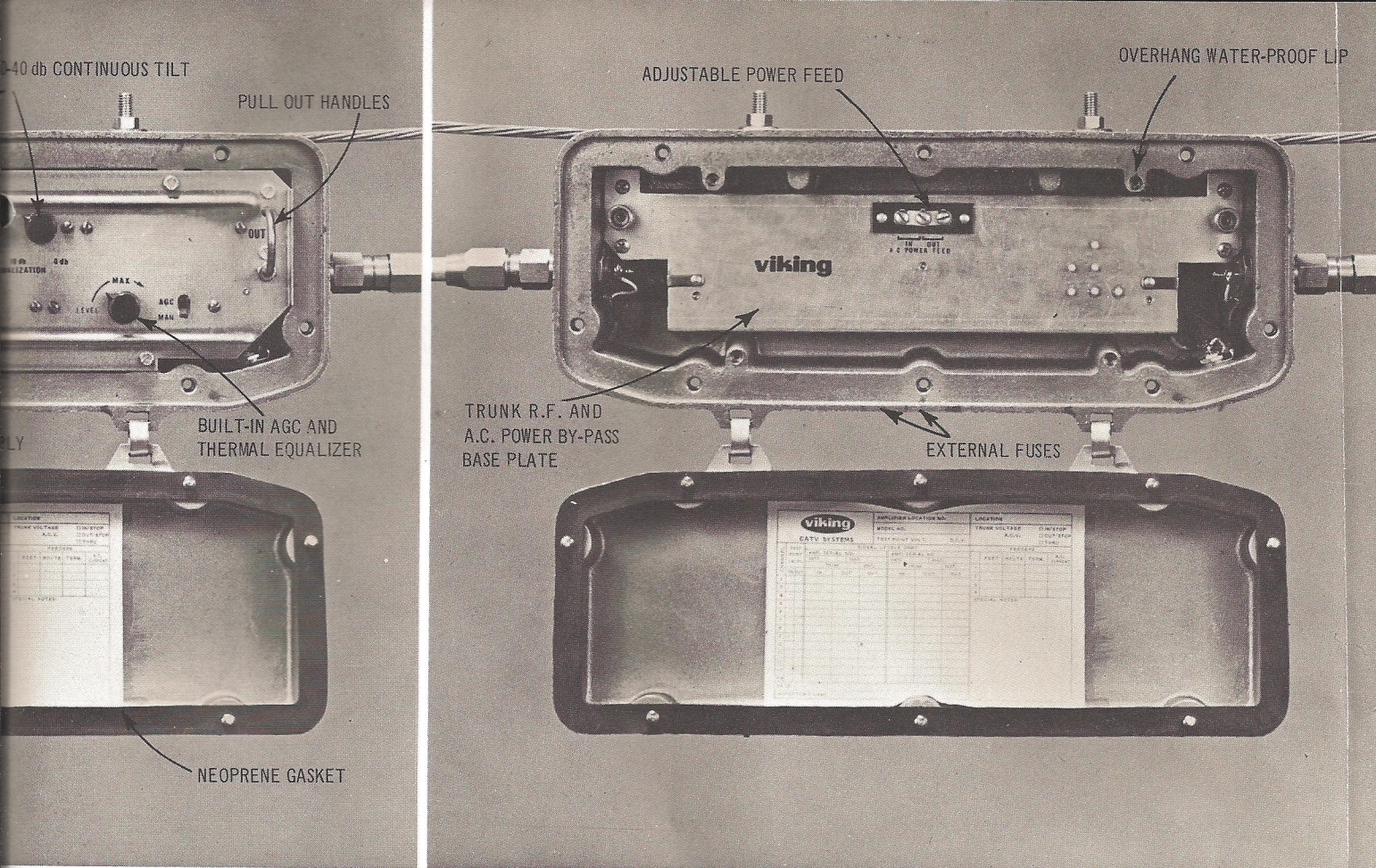
BUILT IN AGC — is an integral part of the amplifier and operates by changing gain after the second stage of amplification with an insignificant change in noise figure in proportion to AGC action.

BUILT-IN THERMAL EQUALIZER — the VIKING AGC is designed to tilt the response curve to compensate for change in cable attenuation due to climatic variances, eliminating the need for separate thermal equalizers.

NO SPECIAL TEST PROBES — All test points externally available with "F" type fittings.



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PLUG IN PADS — the mainline AGC amplifier is designed with separate plug-in pads so that, after several amplifiers, each band can be individually readjusted or to permit the amplifier to be used as either a low band only or high band only AGC amplifier.

BUILT IN DIRECTIONAL COUPLER — a -10db directional coupler is externally built into the unit to power associated bridger or line extender amplifiers. External test points are provided.

LIGHTNING PROTECTION — every Solid State amplifier is protected by special circuitry up to 10,000 volts. The AGC amplifier has a full wave power supply with no D.C. component.

MODULAR CONSTRUCTION — the internal unit of the amplifier can be replaced within seconds without disconnecting cable fittings or unsoldering components. When a bridger amplifier is disconnected, the trunk signal and A.C. power is undisturbed. All amplifiers pass AC power through rugged connections whether internal amplifier unit is in place or not. The RF modules may be up-dated when improved transistors become available so that the amplifier will not be out-moded.

WEATHER AND RADIATION PROOF — 2 piece die cast and hinged housing requires no additional weather-proof housing or radiation shielding and provides easy accessibility to all controls.

VERSATILITY — amplifiers may be messenger mounted from either the side or top of the housing as well as direct pole or crossarm mounted.

INLINE INSTALLATION — all amplifiers may be installed directly into the cable line without requiring pole or additional support other than the messenger strand. The need for jumpers and extra connectors are completely eliminated resulting in 22% reduction of material and labor costs.

FITTINGS — stocked with special VIKING designed SM412 and SM500 SUPER-MATCHED fittings. Center conductor has full one inch engagement of cable in Super Match connectors which allows for maximum expansion or contraction due to climatic conditions. Available with all other fittings upon request.

viking's new solid state amplifiers

DESCRIPTION	#574	#583	#575	#577	#576	#584
	AGC SPLIT BAND MAINLINE	AGC ALL BAND MAINLINE	ALL BAND MAINLINE	BRIDGER	BRIDGER	DISTRIBUTION, TERMINATOR
Frequency range:	50-108,173-217 mc.	50-217 mc.	50-217 mc.	50-217 mc.	50-217 mc.	50-217 mc., per band
Gain:	28db, min.	30 db, min.	28 db, min.	2 Output: 27db, min. 4 Output: 24db, min.	2 Output: 18db, min. 4 Output: 15db, min.	2 Output: 35db, min. 4 Output: 32db, min.
Response flatness:	$\pm 1/4$ db, max., per band	$\pm 1/4$ db, max., per band	from 17 to 24db of cable: $\pm 1/4$ db, max., per band	$\pm .5$ db, max., per band	$\pm .5$ db, max., per band	$\pm .5$ db, max.
Noise figure:	at full gain: 11db, max. at Ch 13. At -8 db gain reduction (cont. control): 13db, max. at Ch 13	at full gain: 11db, max. at Ch 13. At -8 db gain reduction (cont. control): 13db, max. at Ch 13	11.5db, max., Ch 13			
Gain controls:	cont. control, all- band: 10db, min. plug-in pads, 3 to 15db in 3 steps	cont. control, all- band: 10db, min. plug-in pads: 3 to 15db in 3 steps	continuous: 8db, min. plug-in pads: 3 to 15db, in 3 steps	continuous: 5db, min. at Ch. 2 plug-in pads: 0 to 15 db in 3db steps	0 to 15db in 3db steps	continuous: 5db, min. plug-in pads: 3 to 15db in 3 steps
Output capability at -57db cross mod., full tilt*	7 | 9 | 12 Ch. 47 | 46 | 45 dbmv	7 | 9 | 12 Ch. 47 | 46 | 45 dbmv	7 | 9 | 12 Ch. 47 | 46 | 45 dbmv	2 Output 7 | 9 | 12 Ch. 43 | 42 | 41 dbmv 4 Output 7 | 9 | 12 Ch. 40 | 39 | 38 dbmv	2 Output 7 | 9 | 12 Ch. 41 | 40 | 39 dbmv 4 Output 7 | 9 | 12 Ch. 38 | 37 | 36 dbmv	2 Output: 44 dbmv 4 Output: 41dbmv
Input capability:				17dbmv, max.		0db pad, 10dbmv, max.
Tilt controls:	continuous control: 10db of cable at Ch. 13 switch: 10,20,30db of cable at Ch. 13	continuous control: 10db of cable at Ch. 13 switch: 10,20,30db of cable at Ch. 13	continuous: 17-25db of cable at Ch. 13 switch: 17db of cable at Ch 13	continuous range: 8-15db of cable at Ch. 13	continuous range: 3-8db of cable at Ch. 13	continuous: 8-15db of cable at Ch. 13 switch: 7db of cable at Ch. 13
V.S.W.R., 75 ohms line input:	1.28, max (18db R.L.)	1.28,max. (18db R.L.)	1.28,max. (18db R.L.)	1.28,max. (18db R.L.)	1.28,max. (18db R.L.)	1.28,max. (18db R.L.)
line output,taps:	1.48,max. (14.5db R.L.)	1.48,max. (14.5db R.L.)	1.48,max. (14.5db R.L.)	1.48,max. (14.5db R.L.)	1.48,max. (14.5db R.L.)	1.48,max. (14.5db R.L.)
Secondary output: ± 1 db	-10db, directional tap	-10db, directional tap	-10db, directional tap			
AGC; composite RF: range for $\pm 1/2$ db output variation:	± 5 db, min.	± 5 db, min				
Tilt alignment:	Flat	Flat	thru 3db of cable at Ch. 13	thru 8db of cable at Ch. 13	3db of cable at Ch. 13	thru 8db of cable at Ch. 13
Line insertion loss:				1.25db, nominal	1.25db, nominal	
Ambient tem- perature range:	-40°F to +120°F	-40°F to +120°F	-40°F to +120°F	-40°F to +120°F	-40°F to +120°F	-40°F to +120°F
Test Points:	external: -30db; input and output,	external: -30db; input and output	external: -30db; input, output	-30db; input, output	-30db; input, output	-30db; input, output
Fuses, 1 amp. each, external				included	included	included
Power requirements:	0.4 amp aver., 0.8 amp. rms 17 to 30 V.A.C.	0.4 amp. aver., 0.8 amp. rms 17 to 30 V.A.C.	210 ma. at 24 V.A.C. 17 to 30 V.A.C.	210 ma. at 24 V.A.C. 17 to 30 V.A.C.	200 ma. at 24 V.A.C. 17 to 30 V.A.C.	210 ma. at 24 V.A.C. 17 to 30 V.A.C.

*full tilt means amplifier output response is tilted to compensate for cable between amplifiers



9DB TRANSISTORIZED BROAD-BAND LINE EXTENDER



Shown Actual Size

**MODEL #562
WITHOUT TILT**
\$17.00 with "F" fitting

**MODEL #567
WITH TILT**
\$20.00 with "F" fitting

- Low noise
- Super-wide bandwidth, including sub-channels
- Matched input and output
- Adjustable power feed
- Flatness within 1/4db
- Compensate for cable aging
- Excellent for sub-channel operation

SEE REVERSE SIDE FOR SPECIFICATIONS

viking

9DB TRANSISTORIZED BROAD-BAND LINE EXTENDER

The Viking #562 and #567 amplifiers, for all their tiny size, are designed as high-performance, broad-band transistor amplifiers with almost every feature of their big brothers. With matched input and output, low noise figure, flat response, high input capability and flexible power feed, they are ideally suitable for any application where 9db of gain are required.

Typical application include:

- short end-of-run extender
- after pressure-tap amplifier for extra-long drops
- gain equalizer for long distribution leg in systems
- antenna-mounted amplifier
- compensate for cable aging

The 24 V.A.C. required to power the amplifiers is commonly duplexed on systems with transistor amplifiers by supplies such as the Viking #561 Remote Power Supply. If this is not available, the Viking #563 Remote Power Supply is specifically designed to power up to seven #562 amplifiers.

The #562 and #567 are built in a completely weather-proof, water-sealed case which can be opened for adjustment of power feed, and designed for any condition of indoor or outdoor use from - 40° to +160°F.

SPECIFICATIONS	MODEL # 562	MODEL # 567
Frequency Response:	12 - 240 mc.	12 - 240 mc.
Alignment:	flat, ± 0.25 db	flat thru cable, ± 0.4 db
Gain, ± 0.7 db, 12 - 110 mc 110 - 240 mc	8.5db 9.0db	4.0db at Ch. 2 8.5db at Ch.13
Noise figure, 50 - 88 mc 174 - 216 mc	6.5db ± 1 db 7.5db	6.5db ± 1 db 7.5db
V.S.W.R., input* output*	1.38:1 1.38:1	1.5:1 1.4:1
*when opposite end is terminated.		
Input signal, 12 channels at - 57db crossmod:	+33 dbmv	+33 dbmv
Power Drain at 24 V.A.C.:	42 ma.	42 ma.
Power Feed:	4 amps, duplexed on cable, internally adjusted to: a) Input - stop b) Output - stop c) Thru	4 amps, duplexed on cable, internally adjusted to: a) Input - stop b) Output - stop c) Thru
Temperature Range:	-40°F to +160°F	-40°F to +160°F
Mechanical:	Waterproof aluminum case, 1½" d. x 2-5/16" l., excluding fitting length	Waterproof aluminum case, 1½" d. x 2-5/16" l., excluding fitting length
Fittings and prices:	562/F \$17.00 562/308 \$17.00 562/101SM \$17.75 562/412 \$20.00 562/500 \$21.00	567/F \$20.00 567/308 \$20.00 567/101SM \$20.75 567/412 \$23.00 567/500 \$24.00

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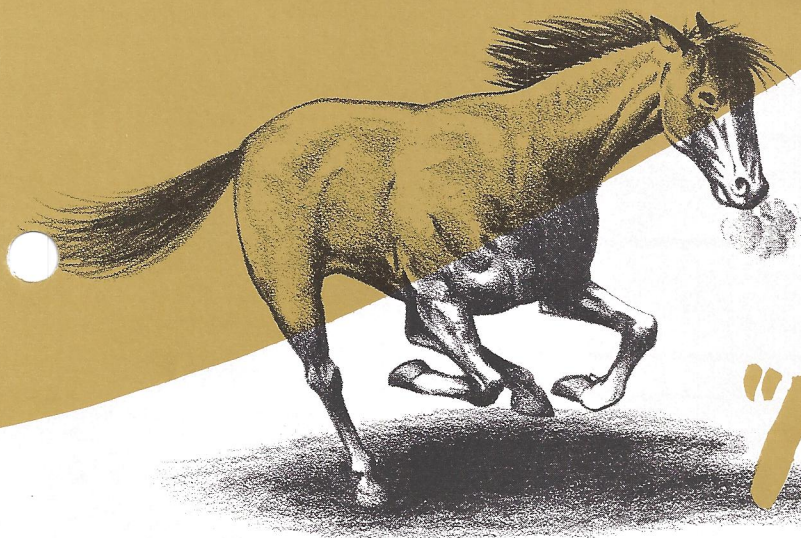
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SOLID STATE SUPER LINE EXTENDER IN LINE • WATER-SEALED



MODEL #565

AVAILABLE
WITH ALL
TYPES OF
CONNECTORS



"Maverick"

The Viking Maverick #565 Solid State Super Line Extender is a no-compromise deluxe, all-silicon transistor amplifier. It offers an unbeatable combination of low noise figure, high input capability, matched input and output, internal switches for RF padding and power feed, flexible gain and tilt controls – all housed in a specially protected tubular, water-sealed case with matched in-line connectors and optional breather hole!

Its high-performance features make it the ideal line extender for either small or large CATV systems with its low remote power consumption, stable gain, small size and lack of maintenance problems.

Every component in the amplifier, including temperature-stable capacitors, special electrolytic capacitors and silicon RF transistors permit

operation through a temperature variation from -40°F. to $+160^{\circ}\text{F.}$ All RF transistors are in individual sockets.

The separate gain and tilt controls fully compensate from 12 to 22 db of cable. An internal 6 db switch reduces gain by 6 db and increases input capability by the same amount for applications where additional taps may be added at a later date.

The regulated power supply handles any A.C. voltage from 17 to 30 volts, remotely supplied from a 24 V.A.C. source such as the Viking #561 or #563, and an internal switch adjusts for either input, output or through feed.

The #565's water-sealed aluminum case is VIK-O-PROCESSED to reduce weathering effects and can be opened for adjustments and test points.

SEE REVERSE SIDE FOR SPECIFICATIONS

#565-SOLID STATE SUPER LINE EXTENDER

viking

Band Width	10-230 MC.
V.S.W.R., 50-230 MC, Input.....	1.25, MAX.
Output...	1.45 MAX.
Gain	22db at Ch. 13, Min. 11.5db at Ch. 2, Min.
Alignment	Through 22db of cable ± 0.5 db
Tilt Control	6 db, continuous, compensates amplifier for cable lengths from 10 db to 22 db at Ch. 13
Gain Control	6 db Switch 6 db, continuous
Noise Figure	10db, max. at channel 13
Levels, for single amplifier at -57 db cross-modulation (.5%)*..	12 | 7 Channels
All channels, input	20 | 25 dbmv, max.
Channel 13, output	42 | 47 dbmv, max.
Test Point	-20 db at Output
Fittings.....	For all Cables
Power	17 to 30 V.A.C. or negative D.C., nominal 24 V.A.C., 210 ma, 5 watts
Power feed switch.....	a) input - stop b) output - stop c) through at 4 amps
Case	Aluminum
Dimensions.....	2" diameter × 5 7/8" length

SPECIFICATIONS

*a)With internal 6 db pad switched in, all input figures are increased by 6 db. Pad should be used on new construction to compensate for later tapping.

b)Derate output by 3 db for each doubling of cascaded amplifiers.

PRICES

565/F	79.50	*F - with "F" type fitting
565/308	79.50	# 308 - for 308 strip braid cable
565/101 SM.	80.25	# 101SM - Super Match series of 75 ohm female fittings
565/480 SM.	82.50	# 480SM - Super Match series of 75 ohm fittings for .480 O.D. corrugated cable.
565/412	82.50	# 412 - for .412 O.D. aluminum cable
565/412 SM.	84.50	# 412SM - Super Match series of 75 ohm fittings for 412 O.D. aluminum cable with extra long grip
565/500	83.50	# 500 - for .500 O.D. aluminum cable
565/500 SM.	85.50	# 500SM - Super Match series of 75 ohm fittings for 500 O.D. aluminum cable with extra long grip
565/655 SM.	86.90	# 655SM - Super Match series of 75 ohm fittings for 655 O.D. corrugated cable

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NEW by

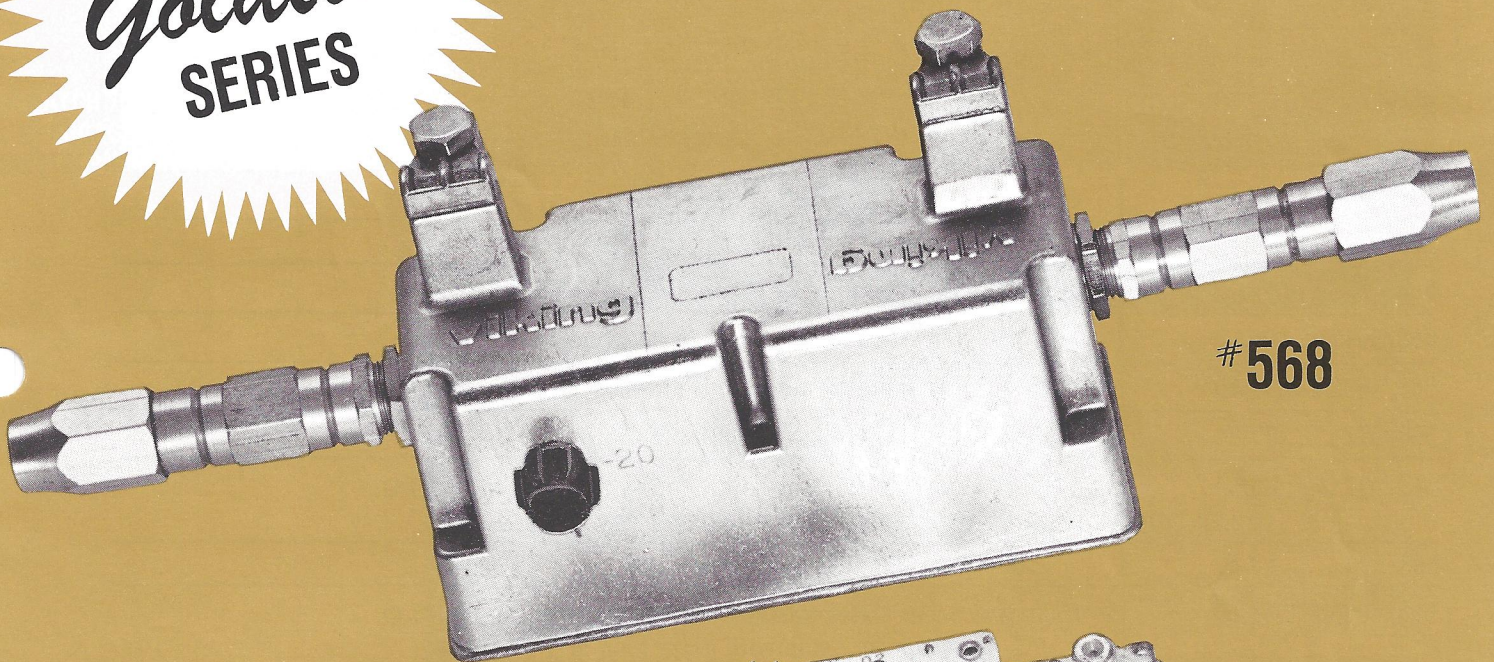
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THE **MUSTANG II**

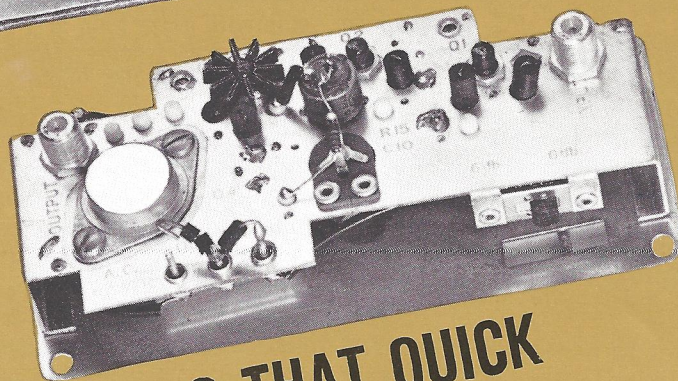
SOLID STATE LINE EXTENDER

FOR AERIAL AND PEDESTAL MOUNT (UNDERGROUND)
AND REMOTE POWER SUPPLY

THE
Goldline
SERIES



#568



**PUSH-PULL
CLICK-CLICK
CHANGE AMPLIFIERS THAT QUICK**

NEW MODULAR PLUG-IN CHASSIS

viking *Goldline* **MUSTANG II**

568-MODULAR INLINE SOLID STATE SUPER LINE EXTENDER

SPECIFICATIONS	ONLY 74.50 EACH
Band Width: 10-230 mc	Levels for single amplifier at -57 db cross-modulation (.5%) . 12 7 Channels
V.S.W.R., 50-230 mc, Input: 1.25, max. Output: ... 1.45, max.	All channels, input: 20 25 dbmv, max.
Gain: 22 db at Ch. 13, min. 11.5 db at Ch. 2, min.	Channel 13, output: 42 47 dbmv, max.
Alignment: Through 22 db of cable ± 0.5 db	Test Point: -20 db at Output
Tilt Control: 6 db, continuous compen- sates amplifier for cable lengths from 10 db to 22 db at Ch. 13	Fittings: For all Cables
Gain Control: 6 db switch 6 db, continuous	Power: 17 to 30 V.A.C. or negative D.C., nominal 24 V.A.C., 210 ma., 5 Watts
Noise Figure: 7.5 db ± 1 db	Power feed switch: a) input-stop b) output-stop c) through
	Case: Die Cast
	Dimensions: 5-7/8" x 2-3/8" x 4"

PRICES

568/F.....74.50	#F – with "F" type fitting
568/308.....74.50	#308 – for 308 strip braid cable
568/101SM ...75.25	#101SM – Super Match series of 75 ohm female fittings
568/480SM ...77.50	#480SM – Super Match series of 75 ohm fittings for .480 O.D. corrugated cable
568/412.....77.50	#412 – for .412 O.D. aluminum cable
568/412SM....80.50	#412SM – Super Match series of 75 ohm fittings for 412 O.D. aluminum cable with extra long grip
568/500.....80.50	#500 – for .500 O.D. aluminum cable
568/500SM ...81.50	#500SM – Super Match series of 75 ohm fittings for 500 O.D. aluminum cable with extra long grip
568/655SM ...81.90	#655SM – Super Match series of 75 ohm fittings for 655 O.D. corrugated cable

VIKING's Goldline Mustang II features the newest innovation in practical amplifier construction. Now, no more fooling with connectors to exchange an amplifier, no more removing solder to extricate the unit. Just a simple push – pull separates the entire inside working section from the rugged weatherproof case. All you have to do is snap in another working unit. That's all there is to it. This is Viking's modular principle. This is progress in solid state construction.

Its high-performance features make it the ideal line extender for either small or large CATV systems with its low remote power consumption, stable gain, small size and lack of maintenance problems.

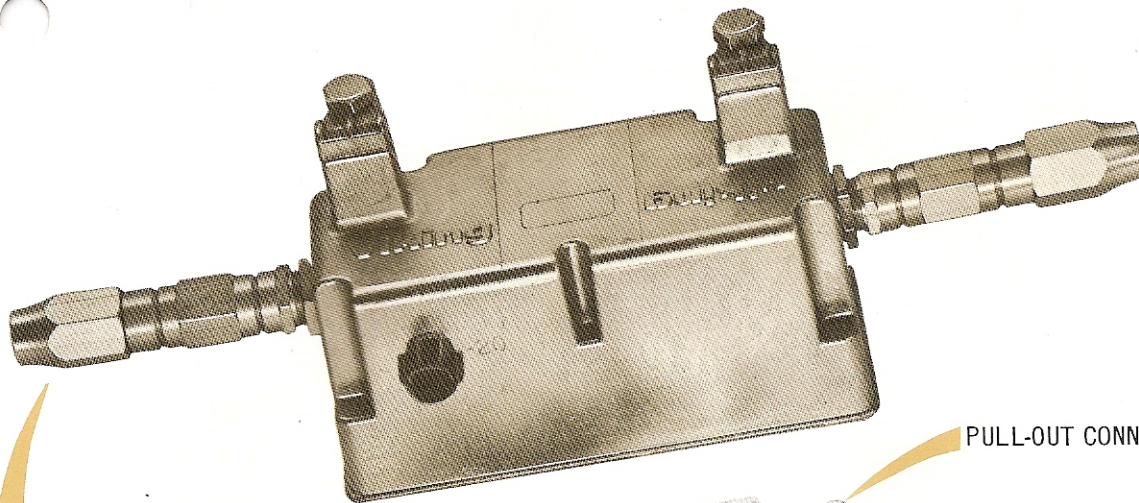
Every component in the amplifier, including temperature-stable capacitors, special electrolytic capacitors and silicon RF transistors permit operation through a temperature variation from -40°F. to +160°F. All RF Transistors are in individual sockets.

The separate gain and tilt controls fully compensate from 12 to 22 db of cable. An internal 6 db switch reduces gain by 6 db and increases input capability by the same amount for applications where additional taps may be added at a later date.

The regulated power supply handles any A.C. voltage from 17 to 30 volts, remotely supplied from a 24 V.A.C. source such as the Viking #561 or #563, and an internal switch adjusts for either input, output or through feed.

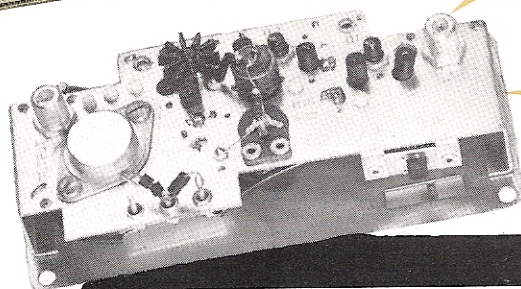
viking

DER WITH PUSH-PULL MODULAR CONSTRUCTION



SUPER MATCH 75 OHM CONNECTORS
FULL 1" ENGAGEMENT ON CENTER
CONDUCTOR AND ALUMINUM JACKET

PULL-OUT CONNECTORS



PULL-OUT MODULAR CIRCUITRY

Features

Also available for pedestal
mount underground

PULL-OUT AMPLIFIER LEAVING FITTINGS UNDISTURBED

LOW NOISE FIGURE AND HIGH OUTPUT CAPABILITY

24 V.A.C. CABLE POWERED WITH INTERNAL REGULATION.

3 DOUBLE DIFFUSED SILICON PLANAR EPITAXIAL RF TRANSISTORS

SPECIAL LIGHTNING AND SURGE PROTECTION

SEPARATE GAIN AND TILT CONTROLS FOR MAXIMUM FLEXIBILITY
UNDER ANY CONDITIONS.

EVERY COMPONENT RATED AND TESTED TO OPERATE IN THE
TEMPERATURE RANGE FROM -40°F to $+160^{\circ}\text{F}$ INCLUDING FILTER
CAPACITORS.

BEST INPUT MATCH (V.S.W.R.) OF ANY UNIT IN THE INDUSTRY AND
AN EXCELLENT OUTPUT MATCH.

DIE CAST CASE AND FITTINGS AVAILABLE TO SUIT ANY CABLE.

VIKING'S EXCLUSIVE VIK-O-PROCESS PLATING TO PREVENT
CORROSION PROBLEMS FOR YEARS OF ADDED LIFE.

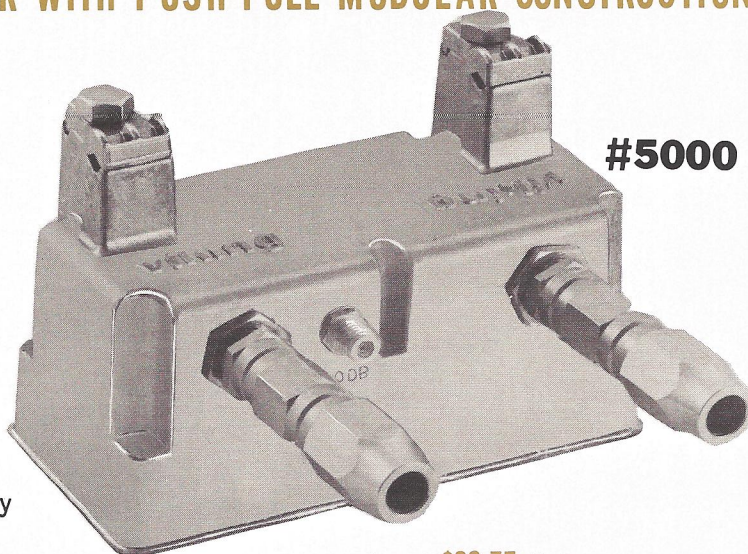
see next page for remote power supply



UNDERGROUND MUSTANG II FOR UNDERGROUND CABINET OR PEDESTAL MOUNTING

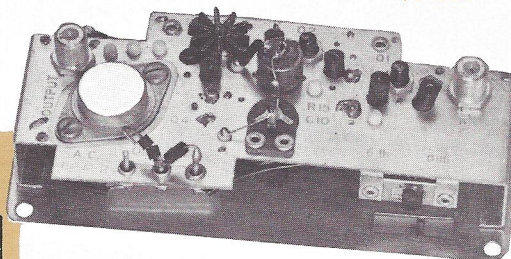
INLINE SOLID STATE SUPER LINE EXTENDER WITH PUSH-PULL MODULAR CONSTRUCTION

- Pull-Out Amplifier Leaving Fittings Undisturbed
- Low Noise Figure and High Output Capability
- 24 V.A.C. Cable Powered With Internal Regulation
- 3 Double Diffused Silicon Planar Epitaxial RF Transistors
- Special Lightning and Surge Protection
- Separate Gain and Tilt Controls for Maximum Flexibility Under Any Conditions
- Every Component Rated and Tested to Operate in the Temperature Range From -40°F to +160°F Including Filter Capacitors
- Best Input Match (V.S.W.R.) of Any Unit in the Industry and an Excellent Output Match
- Die Cast Case and Fittings Available to Suit Any Cable
- Viking's Exclusive Vik-O-Process Plating to Prevent Corrosion Problems for Years of Added Life



#5000

ONLY \$82.75 EACH



SPECIFICATIONS

Band Width:	10-230 mc
V.S.W.R., 50-230 mc, Input:	1.25, max.
Output: ...	1.45, max.
Gain:	22 db at Ch. 13 min.
	11.5 db at Ch. 2, min.
Alignment:	Through 22 db of cable
	±0.5 db
Tilt Control:	6 db, continuous compen-
	sates amplifier for cable
	lengths from 10 db to 22 db
	at Ch. 13
Gain Control:	6 db switch
	6 db, continuous
Noise Figure:	7.5 db ±1 db
Levels for single amplifier at	
-57 db cross-modulation (.5%) . 12	7 Channels
All channels, input:	20 25 dbmv, max.
Channel 13, output:	42 47 dbmv, max.

Test Point:	-20 db at Output
Fittings:	For all Cables
Power:	17 to 30 V.A.C. or negative
	D.C., nominal 24 V.A.C.,
	210 ma., 5 Watts
Power feed switch:	a) input-stop
	b) output-stop
	c) through
Case:	Die Cast
Dimensions:	5-7/8" x 2-3/8" x 4"

PRICES

5000/F	82.75
5000/308	82.75
5000/101SM	83.60
5000/480SM	86.00
5000/412	86.00
5000/412SM	89.50
5000/500	89.50
5000/500SM	90.50
5000/655SM	91.00

viking

TRANSISTOR AMPLIFIER

BOOSTER FOR INCREASING SIGNALS IN SUBSCRIBERS HOUSE UP TO 4 SETS

with VIK-O-PROCESS plating to prevent all corrosion problems



#953

\$16.65

The Viking #953 Amplifier has been designed particularly for low level system use as an individual subscriber amplifier.

It is ideal in amplifying signal levels normally too low to be divided among several TV sets. Alternatively, it can be used as an after-tap amplifier, permitting a higher value tap to be inserted with a correspondingly low insertion loss, preventing ghosting and serving up to 4 TV sets using Viking #937 four-way Hybrid Coupler.

The amplifier is designed for permanent installation and operates on an insignificant amount of power.

SPECIFICATIONS

IMPEDANCE:

Input and output : 75 ohms
Input VSWR : 1.7:1

GAIN:

54-88, 177-216 mc : 10.5 db, min.
108 mc : 6 db, min.

RESPONSE:

: ± 1 db per band
± 0.3 db per channel

POWER : 117 V, AC or DC, 0.03 amps.

OPERATING COST PER YEAR : 25¢

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Wire WU: WUX-JHB, Hoboken, N. J.

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10/15/65

A-11

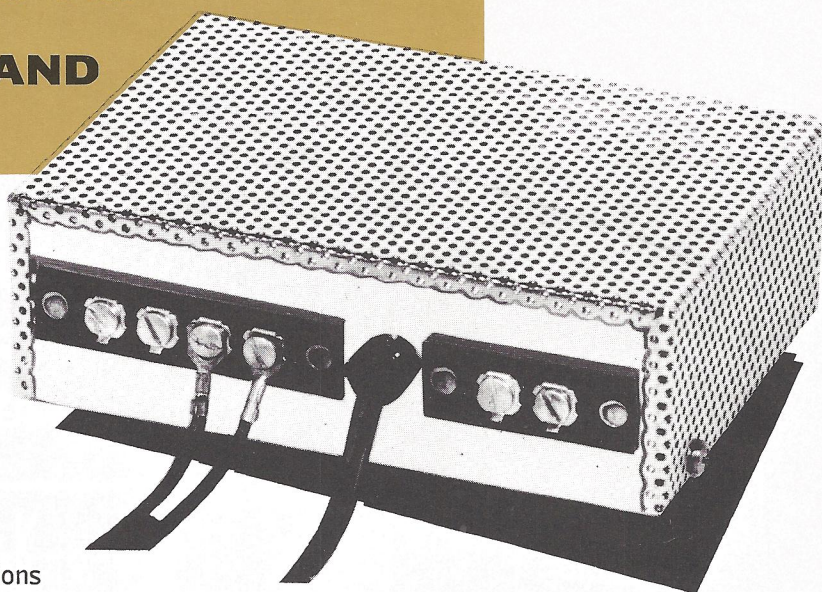
viking



POWER BOOSTER and MULTI-SET COUPLER

**EXCELLENT FOR COLOR
TV AND STEREO FM
8 DB GAIN ON
HI AND LOW BAND**

#954



UNIVERSAL KEYHOLES FOR E-Z BACK OF SET MOUNT

- Amplifies all TV and FM stations
- Ideal for boosting signal and reducing snow on single set
- Allows for up to 3 TV or FM sets to be operated from a single antenna.
- Single tube

The Viking Power Booster is designed to give continuous amplification over the full TV bands, black and white or color TV and FM bands at a minimum cost in installation and upkeep. It is ideal for home or small developments and will provide an equal or superior signal to several sets than the off-the-air reception. With back-of-the-set mounting, it eliminates unsightly top of set antennas.

The Viking #954 provides excellent pictures in areas where your antenna cannot pick up enough signal for a snow-free picture. It enables you to double or triple the signal to one set. Excellent for an amplifier-coupler to boost the signal in up to 3 TV/FM sets; it may be mounted behind the set.

Utilizing an ultra low noise frame grid type tube, the #954 develops up to 8 db gain for 1 set. Proper impedance match and isolation allows increased PICTURE POWER for use with two to three sets in homes, big city or garden apartment.

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#954

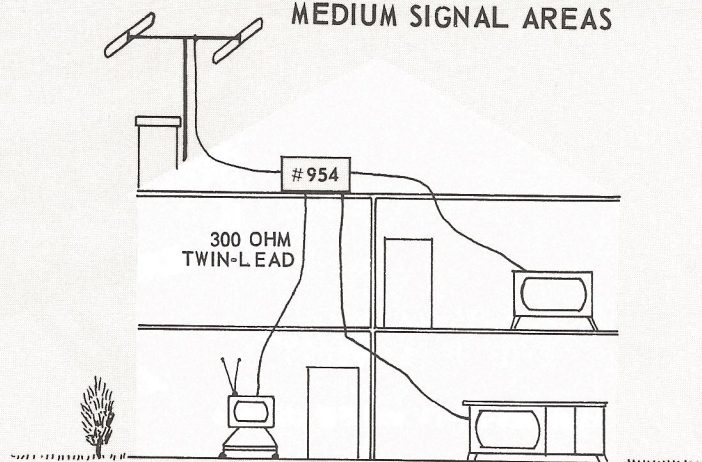
SPECIFICATIONS

Gain:	Low Band & High Band: 8 db. FM Band: 3 db. 2 sets: 5 db.
Frequency Response:	Flat within plus or minus .25 db any 6 mc channel.
Tube:	New, high gain, ultra-low noise frame grid type, 6HA5.
Input & Output impedance:	300 ohms.
Power Consumption:	6 watts.

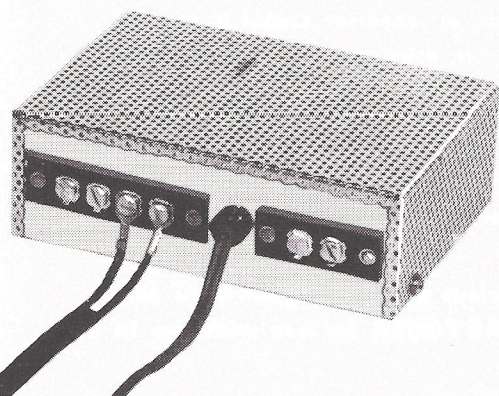
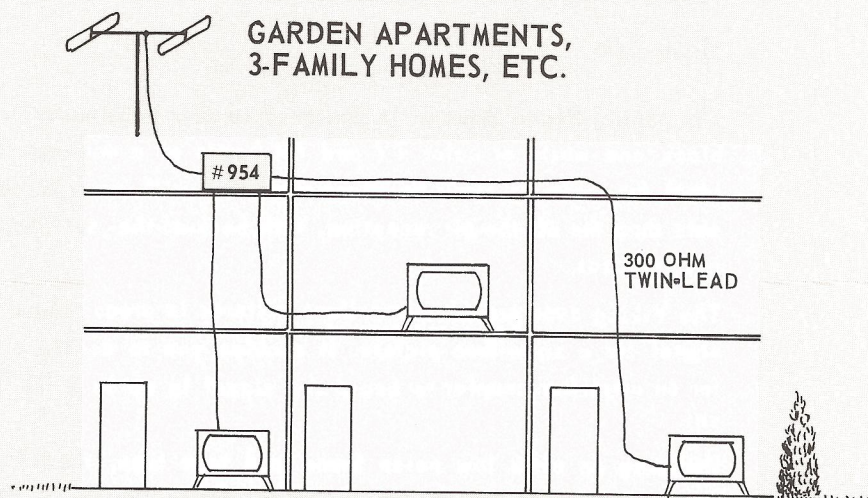
ONLY
\$10.00
EACH

MATV APPLICATIONS

MEDIUM SIGNAL AREAS



GARDEN APARTMENTS, 3-FAMILY HOMES, ETC.



viking



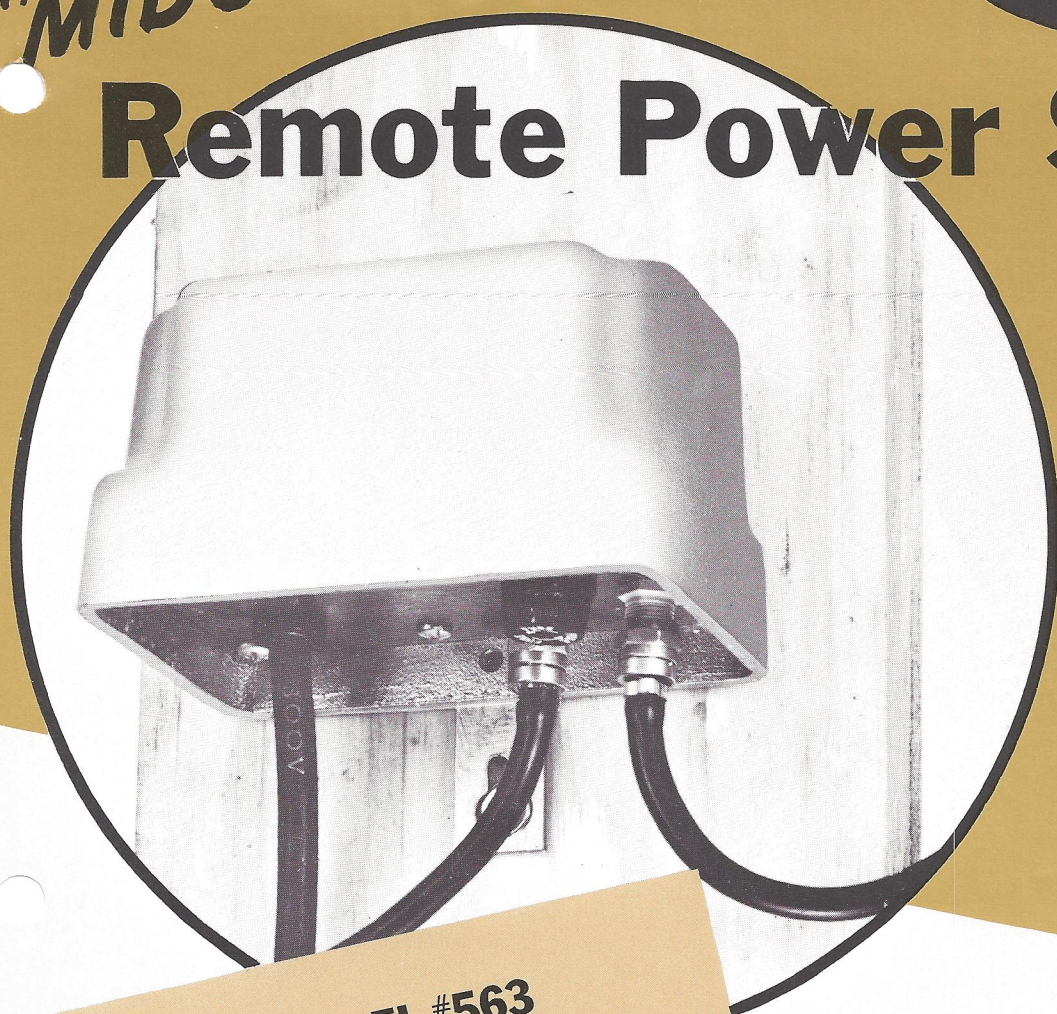
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"MIDGET"

viking

Remote Power Supply



- for 7 #562 amplifiers or 1 #560 or #565 amplifier
- cast aluminum case
- pole or indoor mount
- weather-proof, vik-o-processed case
- choice of fittings

MODEL #563

This quality manufactured Viking Remote Power Supply #563 is specifically designed for seven #562 Amplifiers or one #560 or #565 amplifier assures years of dependability. An extra-strong cast Aluminum, Vik-o-Processed Case, completely weather-proofed, is used as the housing. The #563 comes with pole, strand or indoor Mount with a variety of fittings.

The unit is available with both the 75 ohm SM-101 fitting or Viking's new VF-61, which will accept both 20 and 22 gauge 59U.

PRICES WITH FITTINGS

563/F	\$12.00
563/101SM	\$12.75

SPECIFICATIONS

INPUT	117 V.A.C. \pm 10%, 60 C.P.S.
OUTPUT	0.21 amps., maximum
PROTECTION	3/8 amp, slo-blo fuse
MOUNTING	bracket for pole or cabinet mount.
FITTINGS	VF-61, SM 101
DIMENSIONS	4½ l. x 3" h. x 3" d. excluding bracket
POWER CORD	4 ft. heavy duty flexible cord
WEIGHT	1 lb., 6 oz.

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3/18/66 WIRE WU: WUX-JHB, HOBOKEN, N. J.

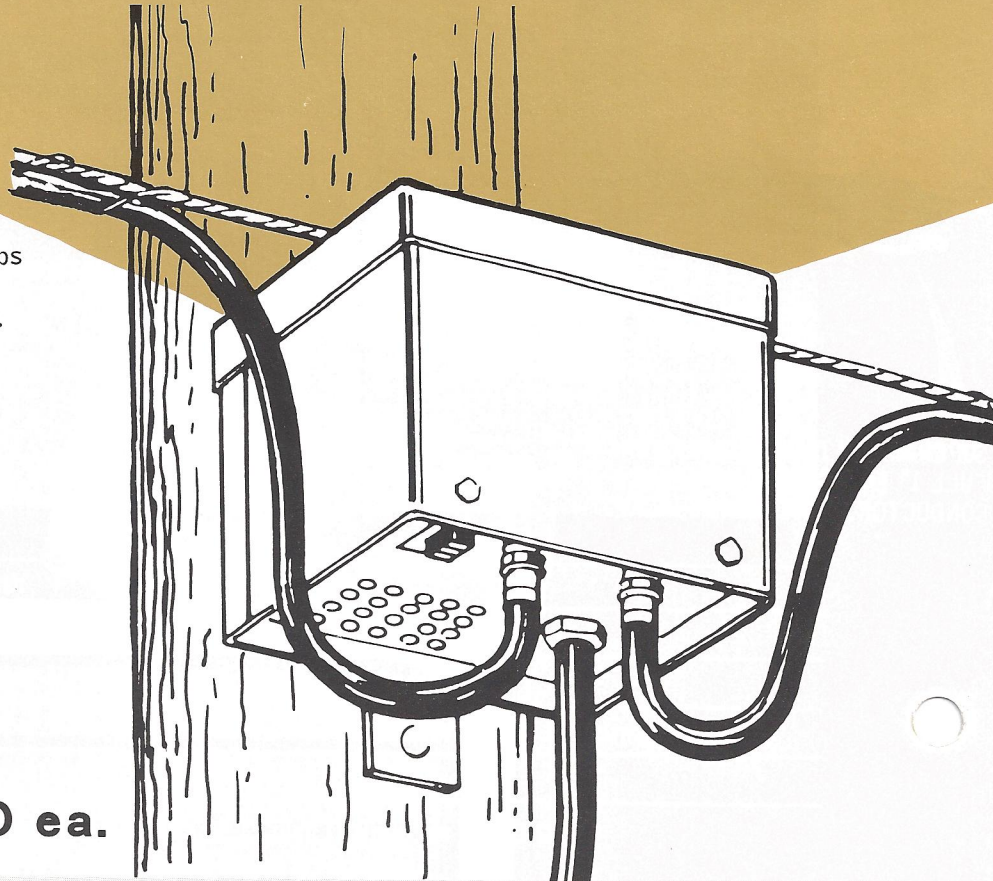
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Remote Power Supply AC/RF Power Duplexer

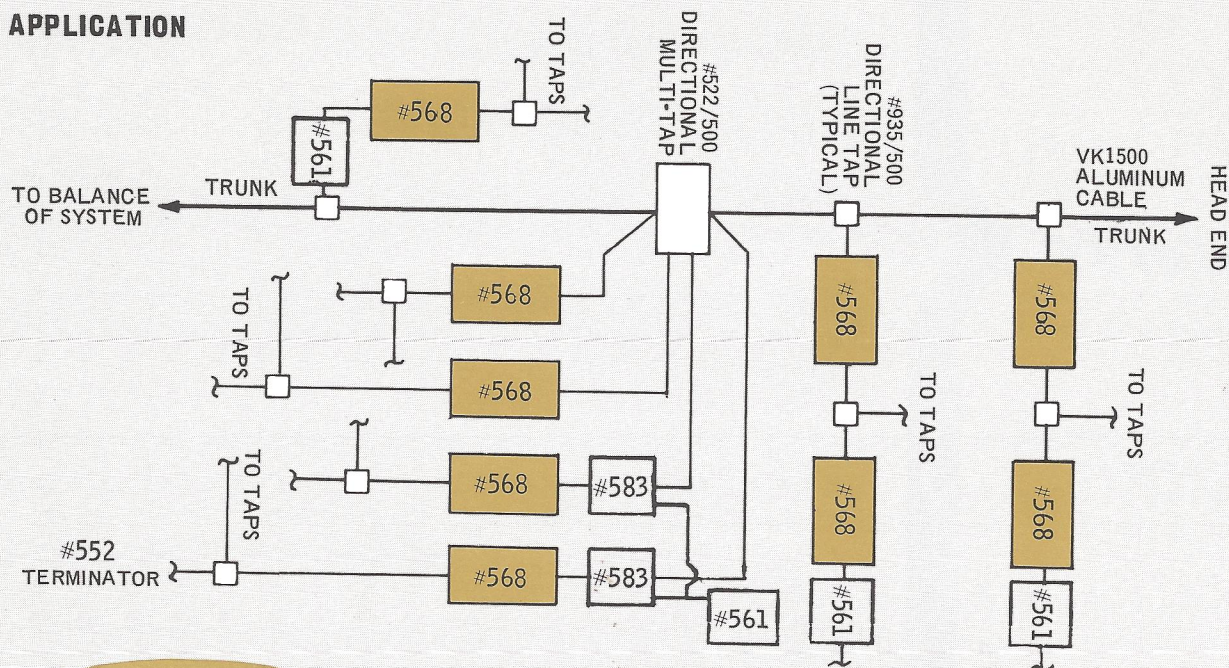
to be used with transistorized line extender

Input: 117 V.A.C. $\pm 10\%$, 60 cps
 Output: 2 amps., will power up
 to nine #560 amplifiers.
 Either 24 or 30 V. A.C.
 selected by switch.
 A/C Power Filter: . . . -60 db
 from 20-220 mc.
 Protection: "KLIXON" automatic
 self resetting
 thermal circuit breaker
 Mounting: Bracket included for
 cabinet or pole mount.
 Fittings: "F" type or VK101
 Dimensions: 5" x 4-1/4" x 4-5/8"
 excluding bracket.
 Weight: 4 1/2 lbs.



Model #561...\$30.00 ea.

APPLICATION



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THE STANDARD OF THE CATV INDUSTRY

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Remote Power Supply

FOR SINGLE STRIP
CHANNEL AMPLIFIER



In many applications in fringe areas, the Viking Single Channel Amplifier, #945, can make the difference between a satisfactory or below-standard signal when the amplifier is mast-mounted at the antenna. The amplifier then utilizes the full antenna signal, as low as 75 microvolts, before the signal is attenuated by the down-lead with resulting signal-to-noise degradation.

The #949 Remote Power Supply is specifically designed to duplex 12 V.A.C. on the same coaxial cable which carries the amplified signal. This simplifies the installation since a safe low voltage is furnished to the amplifier while the Remote Power Supply can be installed at any convenient location. A multi-position switch calibrated in 25 foot steps of RG-59/U adjusts the voltage for cable lengths up to 100 feet.

The combination of a highly reliable channel amplifier with its two frame-grid tubes, ultra low-noise circuits, high gain, freedom from interfering signals and overload together with a remote power supply is unbeatable for supplying snow-free signals in fringe communities.

MODEL # 949

PRICE \$15.00

SPECIFICATIONS

Power, Input: 117 V.A.C., 0.25 amperes

Output, from duplexed terminal: 12 V.A.C., 2 amperes

Power Adjustment: Four position switch for:
 0-25 feet of RG-59/U
 25-50 feet of RG-59/U
 50-75 feet of RG-59/U
 75-100 feet of RG-59/U

Connectors: F-61

Fuse: 1/2 amp.

Dimensions: 4" W. X 3 3/4" h. x 5 1/4" l.

Mounting: Two base slots

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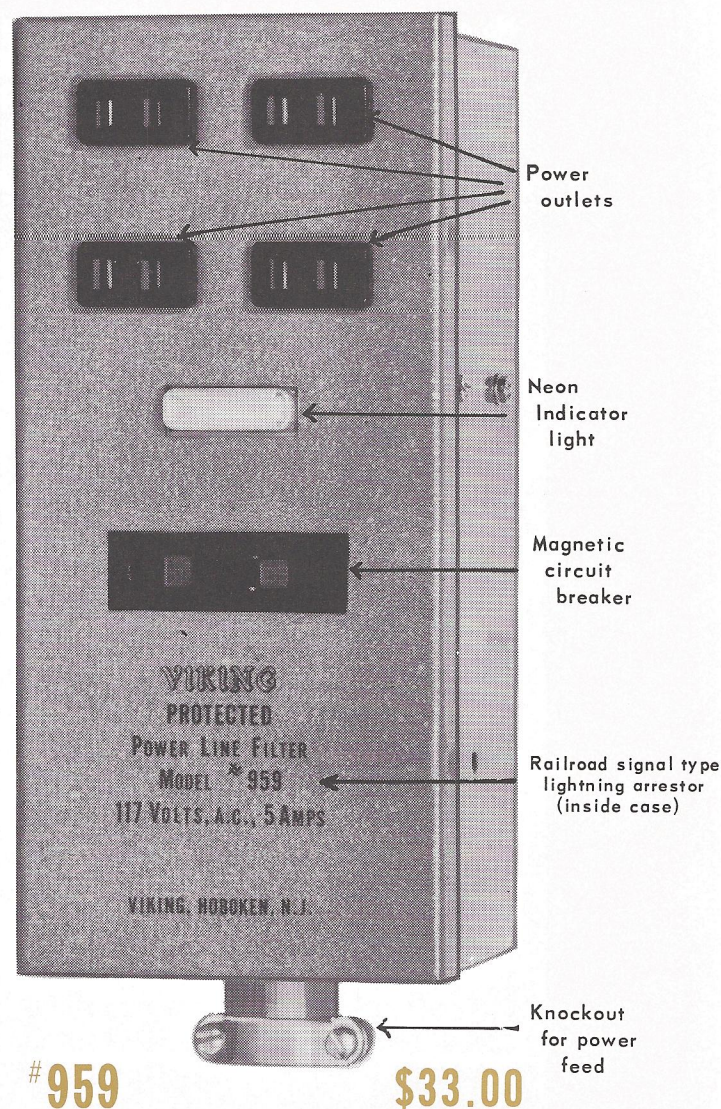
viking

PROTECTED POWER FILTER

WITH BUILT IN LIGHTNING ARRESTOR

The Viking Power Filter is designed to provide both full overload and lightning protection as well as a minimum of 60 db of RF filtering for all electronic applications, this is combined with such mechanical features as a hinged cover for quick access to power connections, knock outs in both bottom and rear for power feed, an indicator light visible from front or sides when the circuit breaker is off and a railroad signal type lightning arrestor.

The magnetic circuit breaker is designed to protect both loads and filters from excessive voltage in less than 1/10 second while providing a 3 second delay for 125% overload.



SPECIFICATIONS OF #959

Load rating:	5 Amps at 117 V.A.C., cont.
Protection:	Magnetic breaker Short circuit surge Railroad signal type lightning arrestor
Connections:	Power in and ground
Filtering:	RF attenuation
Dimensions:	9-1/4" L. x 4-1/4" W. x 3-3/8" D.
Weight:	Net
Mounting:	Keyhole and two holes
	Grounds lightning
	Dual knockout, bottom and rear, for 1/2" or 3/4" conduit to porcelain three terminal block, center to ground.
	60 db, min., 20-220 mc.
	3-3/4" Lbs.

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No one has to tell you about the necessity of fuse boxes and switches for your home. This – and much more – is what the **VIKING PROTECTED POWER FILTER** is designed to provide for your system in an economical, quickly-installed and durable package.



OVERLOAD –	The rugged magnetic circuit breakers take care of momentary current surges of up to 125% for 3 seconds – thus allowing for turn-on current. In the event of serious power line surges, the breaker opens in less than 1/10 second.
LIGHTNING –	In the event of a lightning strike, a thoroughly proven railroad-type of arrestor built on a sturdy three-terminal porcelain base shunts the bolt harmlessly to ground. Incidentally, it is good for repeated use without any parts replacements.
R.F. INTERFERENCE –	Power lines are notorious for picking up stray R.F. signals but a completely shielded low-pass R.F. filter blocks all interference in the 20-220 MC. band by at least 60 DB (1000 x).
SPURIOUS RADIATION –	In many applications, high-gain amplifiers, frequency converters, etc. will feed appreciable signal back to the power line where it can radiate or cause amplifier-to-amplifier interference. The R.F. filter practically eliminates this.

These features are combined with a hinged, one-piece cover, dual knockouts in bottom and rear for either ½" or ¾" conduit, an indicator light which glows brightly when the circuit is opened. You have a unit which answers every antenna-system need.

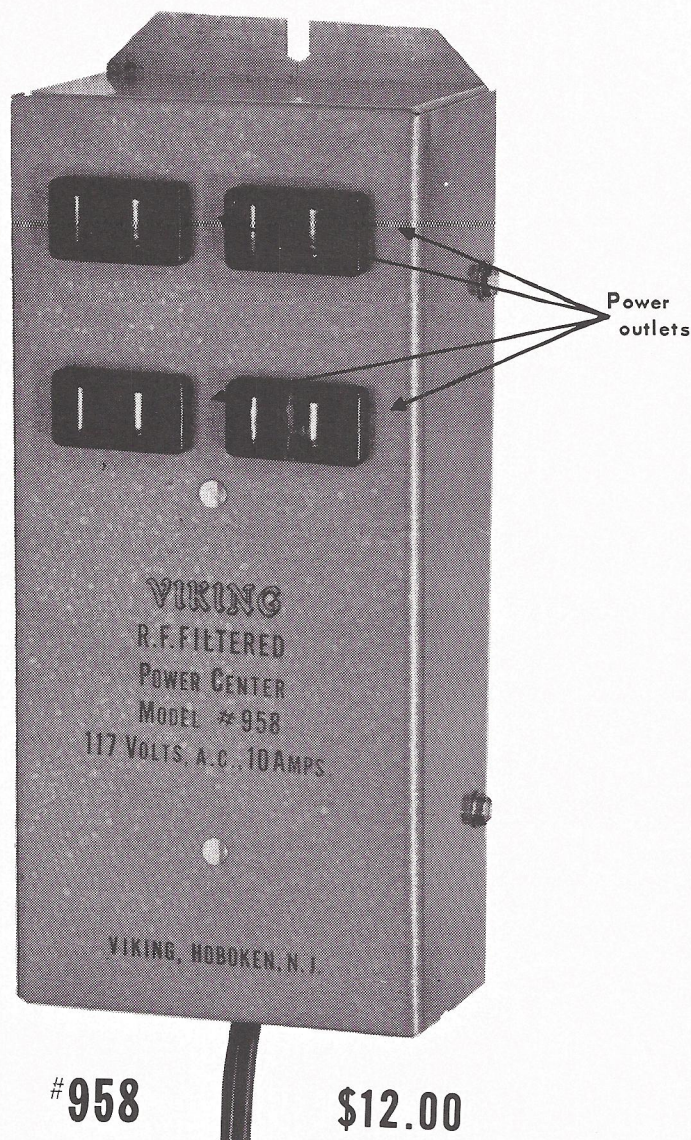


viking

RF FILTERED POWER CENTER

The model 958 RF Power Filter is designed to provide 10 ampere service (1000 watts at 117 V.A.C.), while effectively eliminating RF from the AC power lines over the 20-220 MC frequency range.

The unit consists of a completely enclosed low-pass filter which attenuates RF leakage or suprious power line radiation by over 60 db, a 10 inch heavy-duty line cord for power input, and four 2-prong outlets for power output. Base slots permit easy mounting in a cabinet.


#958
\$12.00

SPECIFICATIONS OF #958

Load rating:	10 Amps at 117 V.A.C., cont.
Filtering:	RF Attenuation 60 db, min., 20 - 220 MC.
Connections:	Power in 10" heavy duty line cord Power out Four 2-prong outlets
Dimensions:	8-1/4" L. x 3-1/2" W. x 1-7/8" D.
Mounting:	2 Base slots

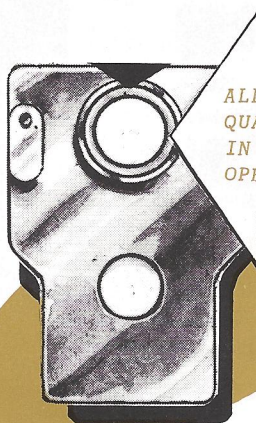
viking
THE STANDARD OF THE CATV INDUSTRY



ALL WEATHER PRESSURE TAPS

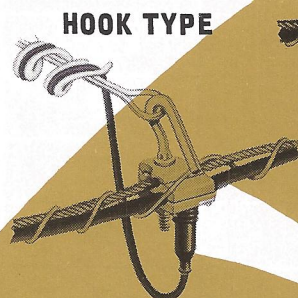
WITH OUR EXCLUSIVE "VIK-O-PROCESS"

Plated to prevent corrosion wherever it is used. Excellent for use in heavy salt air areas. Ideal for all overhead and underground applications.

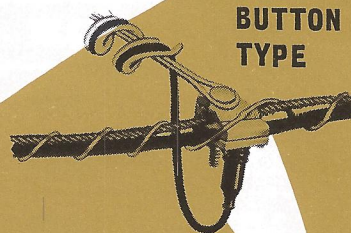


ALL TAPS ARE NOW MADE WITH A QUALITY STAINLESS STEEL INSERT IN THE BLOCK. ASSURES TROUBLE-FREE OPERATION AND EASE IN INSTALLATION.

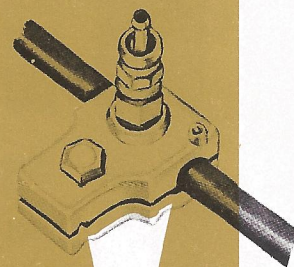
NON-CONTAMINATING POLYETHYLENE BOOT supplied with taps in colors to match attenuator valves (e.g.-red attenuator gets red boot, etc.)



HOOK TYPE



BUTTON TYPE



UNDERGROUND TYPE

HOOK TYPE

BUTTON TYPE

UNDERGROUND TYPE

TYPE CABLE	CONSTRUCTION	O.D. OF CABLE	(STOCK NUMBER)	(STOCK NUMBER)	(STOCK NUMBER)
RG11U	SSSJ	.407	#900	#902	#915
	DSDJ	.465	#901	#903	#916
STRIP BRAID 308/408	SSSJ	.470	#901	#903	#916
	DSSJ	.470	#901	#903	#916
ALUMINUM .412 O.D.	Unjacketed	.412	#500	#501	#502
	Jacketed	.480	#503	#504	#505
ALUMINUM .500 O.D.	Unjacketed	.500	#506	#507	#508
	Jacketed	.580	#518 *	#519 *	-
CORRUGATED CF480 CABLES	Jacketed	.480	#503	#504	#505
CORRUGATED CF655 CABLES	Jacketed	.655	#516 *	#517 *	-

FOR MESSENGERED CABLES: Add "M" to block number desired. Example #902M is for messengered type RG11U cable.

* WITHOUT STEEL INSERTS

**ALL BLOCKS SUPPLIED WITH GROUNDING PINS EXCEPT ON SPECIAL REQUEST

SEE REVERSE SIDE FOR PRICES



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ALL WEATHER PRESSURE TAPS

FOR MESSENGERED CABLES: Add "M" to stock no. desired, .25 cents to price.

TYPE OF BLOCK	BLOCK WITH RESISTIVE & CAPACITIVE ATTENUATOR	BLOCK WITH #905 TRANSFORMER ATTENUATOR (With T30 add 25¢)	BLOCK WITH #515 BACK MATCHED TRANSFORMER ATTENUATOR	BLOCK ALONE STOCK #/100
#900	2.25	3.00	4.25	1.50
#901	2.25	3.00	4.25	1.50
#902	2.25	3.00	4.25	1.50
#903	2.25	3.00	4.25	1.50
#500	2.25	3.00	4.25	1.50
#501	2.25	3.00	4.25	1.50
#502	2.25	3.00	4.25	1.50
#503	2.25	3.00	4.25	1.50
#504	2.25	3.00	4.25	1.50
#505	2.25	3.00	4.25	1.50
#506	2.25	3.00	4.25	1.50
#516**	4.50	5.25	6.50 *	3.00
#517**	4.50	5.25	6.50 *	3.00
#518**	4.50	5.25	6.50 *	3.00
#519**	4.50	5.25	6.50 *	3.00

* THESE TAPS ARE SUPPLIED WITH #514 BACK MATCHED TRANSFORMER ATTENUATOR

** FOR .655 AND .580 O.D. BLOCKS USE #513 ATTENUATOR WITH EXTRA LONG PINS FOR CAPACITIVE, RESISTIVE AND TRANSFORMER INSERTS, AND #514 WITH EXTRA LONG PINS FOR BACK MATCH TRANSFORMER INSERTS.

SEE REVERSE SIDE FOR DESCRIPTION



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UNDERGROUND PRESSURE TAP

EXCLUSIVE "VIK-O-PROCESS"

WITH OUR



ALL TAPS ARE NOW MADE WITH A
QUALITY STAINLESS STEEL INSERT
IN THE BLOCK. ASSURES TROUBLE-FREE
OPERATION AND EASE IN INSTALLATION.

STOCK NO.	O.D. OF CABLE
#547	580 O.D.
#548	655 O.D.
#549	480 O.D.
#550	407 O.D.
#551	465 O.D.

ONLY

\$5.95 WITH #515 BACK MATCHED TAP

ALSO AVAILABLE WITH #905 TRANSFORMER,
CAPACITIVE & RESISTIVE ATTENUATOR

An unusually unique design by Viking for an underground system. The oval football shape enables quick, easy flow tapping . . . the tap is secured by two screws which make the block completely WATERPROOF. There are two stainless steel pins for positive grounding. This tap will accommodate all Viking #905 capacitive, resistive or transformer type attenuators and also our new superior #515 back matched transformer attenuator. The tap which is manufactured with the same quality construction and superior workmanship found in all Viking products is made of heavy die cast zinc and Vik - O - Processed to add years of excellent underground use. The tap size is 2" long and has a total O.D. of 1-1/3". For #547 and #548 for .655 and .580 O.D. blocks use #513 attenuator with extra long pins for capacitive, resistive and transformer inserts, and #514 with extra long pins for back match transformer inserts.

SEE REVERSE SIDE FOR PRICES



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U-2



UNDERGROUND

Pressure taps

STOCK NO.	TYPE OF CABLE	O.D. OF CABLE	BLOCK WITH RESISTIVE & CAPACITIVE ATTENUATOR	BLOCK WITH TRANSFORMER ATTENUATOR	BLOCK WITH BACK MATCHED TRANSFORMER ATTENUATOR	BLOCK ALONE (STOCK #/100)
#548	CF655 CORRUGATED CABLE	.655	3.95 *	4.65 *	5.95 **	2.95
#547	VK1500J	.580	3.95 *	4.65 *	5.95 **	2.95
#549	VK1412J	.480	3.95	4.65	5.95	2.95
#549	CF480 CORRUGATED CABLE	.480	3.95	4.65	5.95	2.95
#550	RG11U SSSJ	.407	3.95	4.65	5.95	2.95
#551	RG11U DSDJ	.465	3.95	4.65	5.95	2.95

* FOR .655 AND .580 O.D. BLOCKS USE #513 ATTENUATOR WITH EXTRA LONG PINS FOR CAPACITIVE, RESISTIVE AND TRANSFORMER INSERTS.

** #514 WITH EXTRA LONG PINS FOR BACK MATCH TRANSFORMER INSERTS.

SEE REVERSE SIDE FOR DESCRIPTION

THE STANDARD OF THE CATV INDUSTRY

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11/2/65 WIRE WU: WUX-JHB, HOBOKEN, N. J.

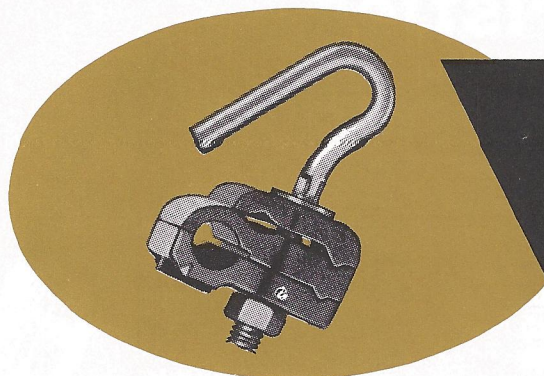
Litho in U.S.A.

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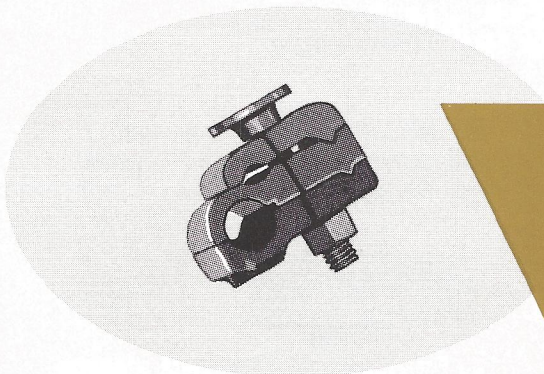
With exclusive **Vik-O-Process** plating to avoid all corrosion problems.

component parts for Pressure Taps Blocks (Only)



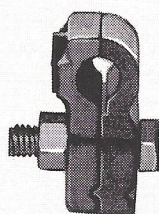
HOOK TYPE

Type Cable	Construction	O.D. of Cable	(Stock No.)	PRICE
RG11U	SSSJ	.407	# 900/100	\$1.50
	DSDJ	.465	# 901/100	
Strip Braid 308/408	SSSJ	.465	# 901/100	
	DSSJ	.465	# 901/100	
Aluminum .412 O.D.	Unjacketed	.412	# 500/100	
	Jacketed	.480	# 503/100	
Aluminum .500 O.D.	Unjacketed	.500	# 506/100	\$3.50
	Jacketed	.580	# 518/100	
Corrugated CF480 Cables	Jacketed	.480	# 503/100	\$1.50
Corrugated CF655 Cables	Jacketed	.655	# 516/100	\$3.50



BUTTON TYPE

Type Cable	Construction	O.D. of Cable	(Stock No.)	PRICE
RG11U	SSSJ	.407	# 902/100	\$1.50
	DSDJ	.465	# 903/100	
Strip Braid 308/408	SSSJ	.465	# 903/100	
	DSSJ	.465	# 903/100	
Aluminum .412 O.D.	Unjacketed	.412	# 501/100	
	Jacketed	.480	# 504/100	
Aluminum .500 O.D.	Unjacketed	.500	# 507/100	\$3.50
	Jacketed	.580	# 519/100	
Corrugated CF480 Cables	Jacketed	.480	# 504/100	\$1.50
Corrugated CF655 Cables	Jacketed	.655	# 517/100	\$3.50



MASTER ANTENNA OR UNDER- GROUND

Type Cable	Construction	O.D. of Cable	(Stock No.)	PRICE
RG11U	SSSJ	.407	# 915/100	\$1.50
	DSDJ	.465	# 916/100	
Strip Braid 308/408	SSSJ	.465	# 916/100	
	DSSJ	.465	# 916/100	
Aluminum .412 O.D.	Unjacketed	.412	# 502/100	
	Jacketed	.480	# 505/100	
Aluminum .500 O.D.	Unjacketed	.500	# 508/100	\$3.50
Corrugated CF480 Cables	Jacketed	.480	# 505/100	

dummy end plugs

Brass plug to screw into tap block when attenuator is removed.

Fits all taps.

Supplied with washer

\$.10
EACH



922

FOR .655 AND .580 O.D. BLOCKS USE #513 ATTENUATOR WITH EXTRA LONG PINS FOR CAPACITIVE, RESISTIVE AND TRANSFORMER INSERTS, AND #514 WITH EXTRA LONG PINS FOR BACK MATCH TRANSFORMER INSERTS.

* TO ORDER BLOCKS FOR MESSENGER CABLES ...

Prefix these numbers with an "M" when ordering blocks for messengered ("Figure 8") cables.

**ALL BLOCKS SUPPLIED WITH PINS EXCEPT ON SPECIAL REQUEST.

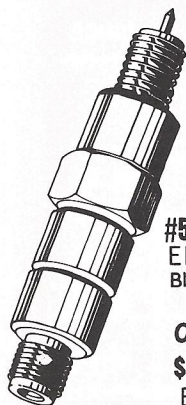
SEE ATTENUATION VALUES ON REVERSE SIDE T-2

PRESSURE TAP ATTENUATORS



isolation characteristics

back matched transformer attenuators #515 or #520



#520 for
ENTRON
BLOCKS

ONLY
\$3.00
EACH

CODE	TAP OFF ATTENUATION (FROM 8 - 220 MCS)	INSERTION LOSS (FROM 8-220 MCS)	COLOR CODE
BM12	12db	0.75db	ORANGE
BM16	16db	0.25db	WHITE
BM20	20db	0.10db	RED
BM24	24db	0.10db	BLUE
BM30	30db	0.10db	YELLOW
BM36	36db	0.10db	GREEN
BM40	40db	0.10db	BUFF
BM50	50db	0.10db	BLACK

Tap off Flatness $\pm .25\text{db/Band}$ V.S.W.R. - 1.2 :/Max.
For VK1500J and CF655 Block - attenuator #514 with larger pin.



#515 for
VIKING
BLOCKS

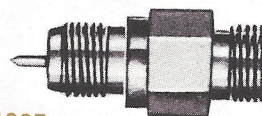
ONLY
\$3.00
EACH

transformer type #905

Code	Tap-Off Attenuation (From 8 - 220 MCS)	Insertion Loss (From 8 - 220 MCS)
T6	6 DB	.25*
T12	12 DB	.25
T16	16 DB	.1
T20	20 DB	.1
T24	24 DB	.1
T30	30 DB	.1

* For Vari-Tap use only.

Be sure to specify code number of
attenuators after stock # 905 when
ordering attenuators alone.



#905 For VK1500J and CF655 block attenuator
#513 with longer pins.

\$1.75 EACH - EXCEPT
FOR T30, ADD 25¢

capacitive type #905 \$1.00 EACH

CODE	CHANNELS							
	2		6		7		13	
GD	41	.04	38	.04	32	.04	30	.04
W	34	.04	30	.04	26	.05	23	.05
R	27	.05	24	.05	19	.10	17	.13
Y	22	.06	19	.11	14	.25	12	.45
G	19	.11	16	.17	13	.36	11	.50
B	16	.16	14	.20	9	.91	8	1.1
BK	12	.27	10	.45	8	1.0	7	1.3

Attenuation Insertion Loss

resistive type #905 \$1.00 EACH

CHANNELS					
CODE	2	6	7	13	INSERTION LOSS
3	30.5	29.5	29	28.5	0.2
4	33	32	31	30.5	0.15
6	35.5	34	33	32	0.1
9	38.5	36.5	35	34	0.08
15	41.5	38.5	36	35	0.05



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viking

NEW

ENLARGED PRESSURE TAPS

FOR:

.655 CORRUGATED

**1/2" JACKETED
ALUMINUM CABLES**

SPECIFICATIONS

Type Cable	Construction	O.D. of Cable	HOOK TYPE	BUTTON TYPE
			(Stock Number)	(Stock Number)
Coppaflex	Corrugated Copper Shield with Polyethylene Jacket Overall	.655	#516	#517
Aluminum 1/2" Cable Jacketed	1/2" Aluminum Sheath Cable Polyethylene Jacket Overall	.580	#518	#519

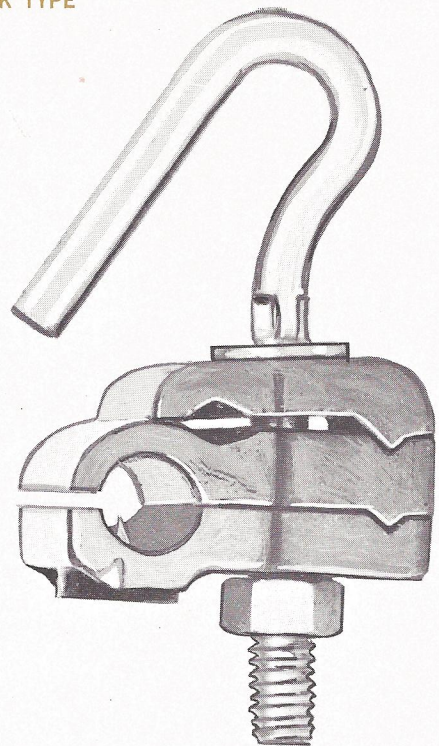
WITH OUR EXCLUSIVE NEW **"VIK-O-PROCESS"**
PLATED TO PREVENT CORROSION WHEREVER IT IS USED.
EXCELLENT FOR USE IN HEAVY SALT AIR AREAS.
IDEAL FOR ALL APPLICATIONS.

WITH
CAPACITIVE OR RESISTIVE ATTENUATORS _____ **4.50**
#513 WITH EXTRA LONG PINS

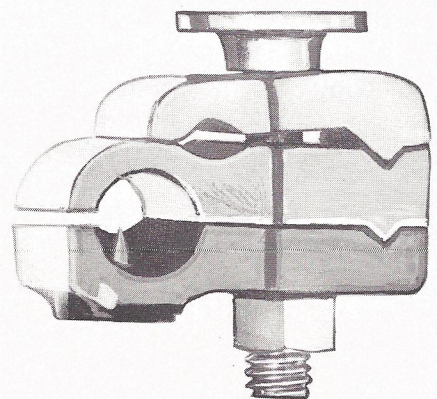
WITH
TRANSFORMER ATTENUATORS _____ **5.25**
T12, T16, T20, T24 & T30 db
#513 WITH EXTRA LONG PINS

WITH
NEW BACKMATCHED TRANSFORMER _____ **6.50**
ATTENUATORS - 12,
16, 20, 24, 30, 36 & 40 db
#514 WITH EXTRA LONG PINS

HOOK TYPE



BUTTON TYPE



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THE STANDARD OF THE CATV INDUSTRY

T-4

830 MONROE STREET, HOBOKEN, NEW JERSEY - CALL US COLLECT: NEW YORK: (212) WH 3-5793, HOBOKEN: (201) OL 6-2020

11/2/65 WIRE WU: WUX-JHB, HOBOKEN, N. J. Litho in U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE

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BODY: SOLID BRASS with VIK-O-PROCESS plating
TAP OUTPUT IS AC/DC ISOLATED

TAP V.S.W.R.: 1.2:1, max.

OUTPUT CONNECTOR: "F" Type

DIMENSIONS: 2-1/4" x 5/8"

SPECIFICATIONS

FREQUENCY RESPONSE: 8 - 220 MC

TAP-OFF FLATNESS: \pm .25 db/Band

CODE	TAP OFF ATTENUATION (FROM 8 - 220 MCS)	INSERTION LOSS (FROM 8-220 MCS)	COLOR CODE
BM12	12db	0.75db	ORANGE
BM16	16db	0.25db	WHITE
BM20	20db	0.10db	RED
BM24	24db	0.10db	BLUE
BM30	30db	0.10db	YELLOW
BM36	36db	0.10db	GREEN
BM40	40db	0.10db	BUFF
BM50	50db	0.10db	BLACK

For VK1500J and CF655 Blocks Specify attenuator #514 with larger pin.

A "MUST" FOR COLOR TV

- The perfect pressure tap for color
- Eliminate reflections and ghosting due to TV set mismatch.
- Low insertion loss and minimum cable disturbance.
- Flat tap-off loss.
- Tap-off to drive matched amplifiers, hybrid splitters, etc.
- Fits our standard block

The Viking Back-matched Transformer attenuator is completely compatible with all capacitive and resistive taps in the same Viking Cable Blocks. Its output is matched to 75 ohms so that it completely eliminates ghosting, smearing, and suckouts due to poorly-matched subscriber TV sets. This insures the best possible signal for all color and black-and-white TV sets.

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11/2/65 WIRE WU: WUX-JHB, HOBOKEN, N. J.

Litho in U.S.A.

BACK MATCHED TRANSFORMER ATTENUATOR

NOW WITH OUR EXCLUSIVE NEW
"VIK-O-PROCESS"



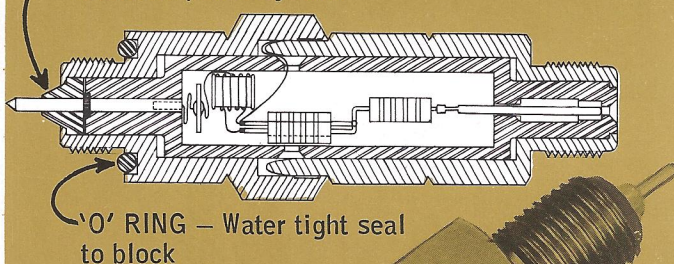
\$3.00ea

#515* for viking blocks

THE VIKING #515 BACKMATCHED TRANSFORMER ATTENUATOR IS COMPLETELY COMPATIBLE WITH ALL CAPACITIVE AND RESISTIVE TAPS USED IN THE REGULAR VIKING OR SIMILAR BLOCKS. ITS OUTPUT IS MATCHED TO 75 OHMS.

FITS STANDARD JERROLD BLOCKS

PLASTIC RING - Minimize shorting out of cable on power system



'O' RING - Water tight seal to block

\$3.00ea.



#520* for ENTRON blocks

THE VIKING #520 BACKMATCHED TRANSFORMER ATTENUATOR IS THREADED AND DESIGNED TO FIT ALL ENTRON PRESSURE TAP BLOCKS THAT ARE IN EXISTING SYSTEMS

*Now color banded for easy identification.

TRANSFORMER ATTENUATORS FOR PRESSURE TAP BLOCKS SHOWN ON PRECEEDING PAGE

Completely compatible with existing capacitive and resistive types. Tap fits into the same Viking blocks, protected by same weatherproof boot.

Lowest possible insertion loss, 0.25 db loss for 12 db, 0.1 db for 16, 20, 24 and 30 db types.

Minimum cable disturbance. Line VSWR less than 1.2:1

Tap eliminates ghosts and smears on main line and feeders

Now for the **FIRST** time, you can:

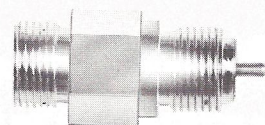
1. Design the system to tap directly from the main line or trunks.
2. Substantially increase amplifier spacing because of reduced tap insertion loss.
3. Get useable signals at the extremities of long feeder lines for several taps without additional amplifiers.

Viking Transformer Pressure Taps are designed to be completely interchangeable with capacitive or resistive pressure taps in the same Viking cable clamp. The unique feature of the Transformer Tap is that it introduces only the minimum line insertion loss with practically no disturbance of the cable impedance. This means that it can be used on main cable runs, at the extremities of long feeder lines, or on any cable run where it is important to keep cable loss at a minimum, thus extending cable runs between amplifiers.

ATTENUATORS

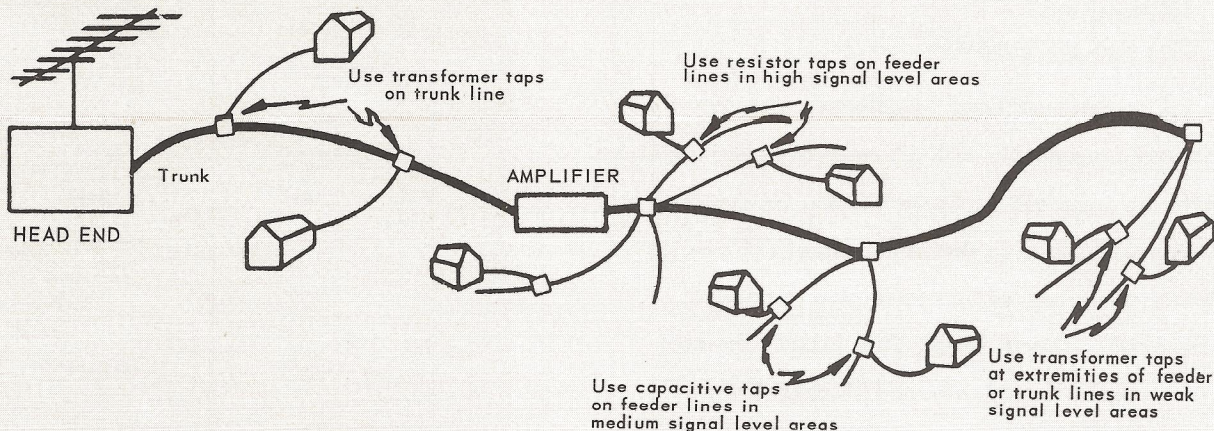
Viking Stock # For Attenuators	Tap Off Attenuation	Insertion Loss
T6	6 DB . . . . .	.25*
T12	12 DB . . . . .	.25
T16	16 DB . . . . .	.1
T20	20 DB . . . . .	.1
T24	24 DB . . . . .	.1
T30	30 DB . . . . .	.1

* For use with Viking Vari-Taps only.



TECHNICAL SPECIFICATIONS
 Frequency response: 8 – 220 MCS
 Tap-Off attenuation: Within $\pm \frac{1}{4}$ db
 Connector: "F" type.
 Capacitive AC-DC isolation

SAMPLE SYSTEM:



Be sure to specify stock number of Pressure Tap Blocks shown on Tap page. Add Transformer Attenuator Number when ordering. For Example: 900/T12, 915/T16 etc.

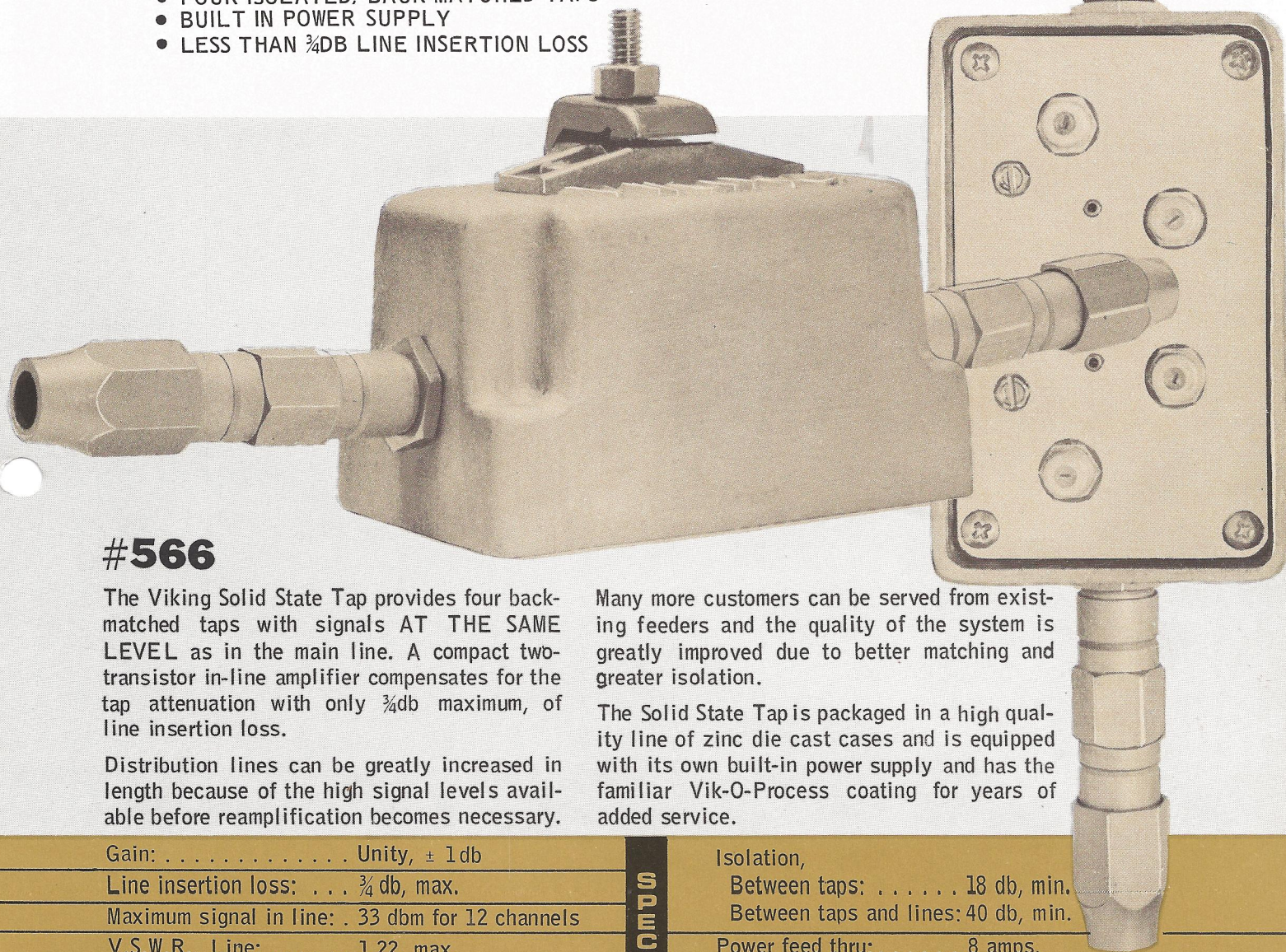
Enter in English
RECENT

SAVED

viking

4 OUTPUT SOLID STATE IN-LINE TAP

- ALL-BAND • SOLID STATE • ZERO TAP ATTENUATION
- BETTER SPECIFICATIONS THAN EVER BEFORE ACHIEVED
- FOUR ISOLATED, BACK-MATCHED TAPS
- BUILT IN POWER SUPPLY
- LESS THAN $\frac{3}{4}$ DB LINE INSERTION LOSS



#566

The Viking Solid State Tap provides four back-matched taps with signals AT THE SAME LEVEL as in the main line. A compact two-transistor in-line amplifier compensates for the tap attenuation with only $\frac{3}{4}$ db maximum, of line insertion loss.

Distribution lines can be greatly increased in length because of the high signal levels available before reamplification becomes necessary.

Many more customers can be served from existing feeders and the quality of the system is greatly improved due to better matching and greater isolation.

The Solid State Tap is packaged in a high quality line of zinc die cast cases and is equipped with its own built-in power supply and has the familiar Vik-O-Process coating for years of added service.

Gain:	Unity, ± 1 db
Line insertion loss: . . .	$\frac{3}{4}$ db, max.
Maximum signal in line: .	33 dbm for 12 channels
V.S.W.R., Line:	1.22, max.
Tap outputs:	1.3, max.
Min. signal in line for 40 db S/N ratio: . . .	+3 dbmv
Bandwidth:	10 - 230 Mc.
Frequency response: . . .	$\pm \frac{1}{4}$ db/band, max.
Power:	17 - 30 V.A.C. or minus D.C. at 77 ma.

Isolation,	
Between taps:	18 db, min.
Between taps and lines:	40 db, min.
Power feed thru:	8 amps.

Fittings,	
566/F	22.50
566/308	22.50
566/412	25.50
566/500	26.50
566/750	30.00
Case, strand mounted: . .	4 $\frac{1}{2}$ " l. x 2 $\frac{3}{4}$ " d. x 3" h.
Temperature range:	-40°F to +160°F

SPECIFICATIONS

viking

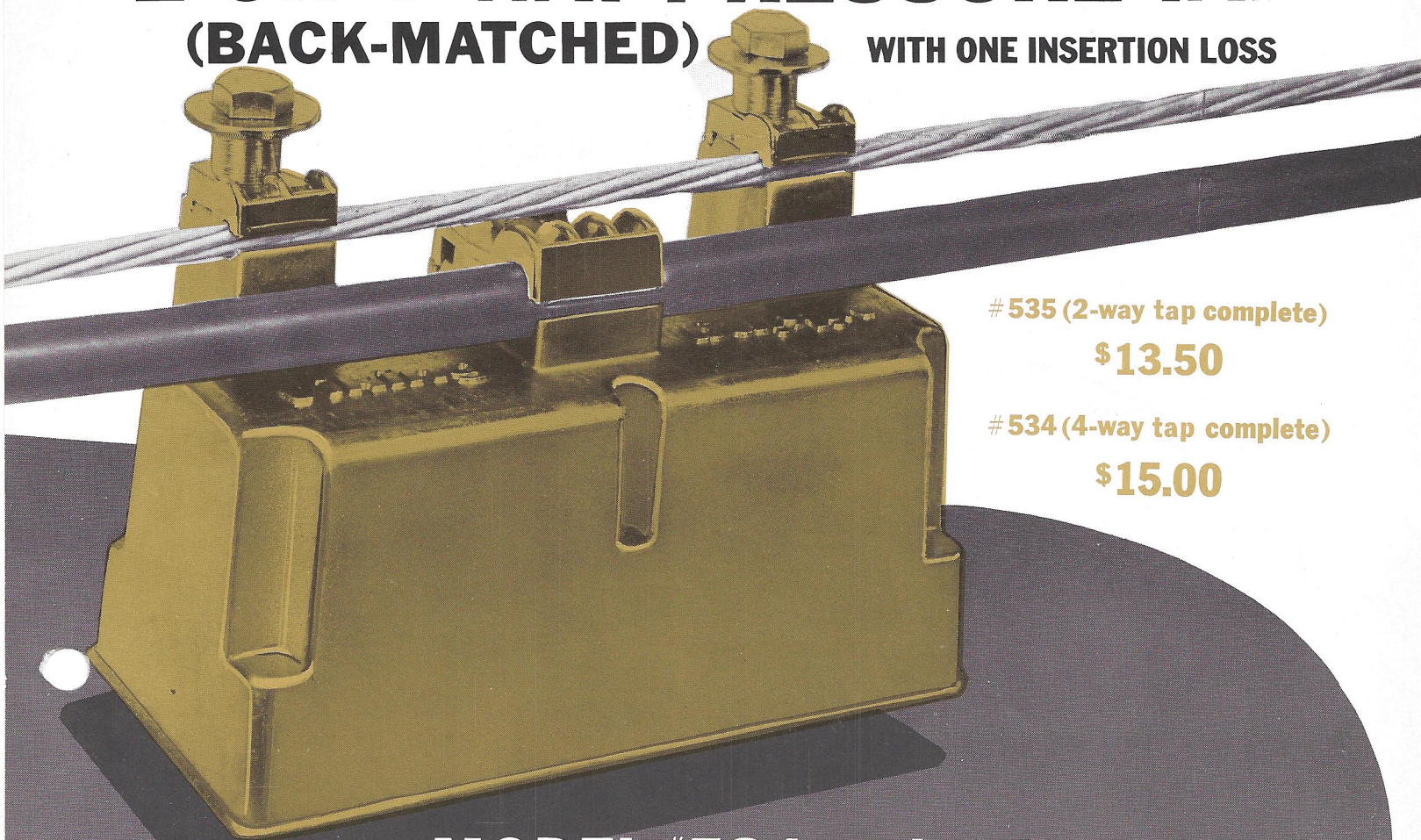
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viking*the "Dolphin"*

2 OR 4-WAY PRESSURE TAP

(BACK-MATCHED) WITH ONE INSERTION LOSS



#535 (2-way tap complete)

\$13.50

#534 (4-way tap complete)

\$15.00

MODEL #534 and #535

THE VIKING FOUR-WAY PRESSURE TAP is specifically designed to meet the most rigorous system specifications by providing 2 or 4 back-matched taps from a single line pressure tap. All taps are isolated by over 19db from each other.

The special transformer circuitry used insures extremely low line insertion loss, and an excellent tap output match. All of these features guarantee the highest system quality and sharp black and white or color signals to subscribers.

Tap values from 19 to 30db may be selected by simply changing an insert. Installation is as quick and easy as installing a pressure tap-and the cable is not cut!

The unit is housed in a non-ferrous die casting, eliminating weather problems.

viking*Manufacturers of Quality Coaxial Cables and Television System Products*

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4-6-65 CABLE ADDRESS: JHB

Litho U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE

T-5

EXTRA LONG
CORING TOOL
AVAILABLE

viking



2 OR 4-WAY PRESSURE TAP

MODEL
#534 and #535

BACKMATCH INSERT
#536—tap \$2.50

#534 C—case \$5.50

#535 P—2-way plate \$5.50
#534 P—4-way plate \$7.00

the "Dolphin"



SPECIFICATIONS

	2-way	15½	21½	25½	29½	34
TAP ATTENUATION:						
2-way		18½	24½	28½	32½	37
4-way						
TAP FLATNESS, db, max.:		1/4	1/4	1/4	1/4	1/4
V.S.W.R. 75 OHMS THROUGH LINE, MAX:		1.2	1.2	1.2	1.2	1.2
TAP BACK MATCH, MAX.:		1.25	1.3	1.3	1.3	1.3
ISOLATION, between taps		19 db	19 db	19 db	19 db	19 db
INSERTION LOSS, db, MAX.:		.6	0.3	0.2	0.15	0.15

The Viking #534 is available in a choice of 4 different block sizes. It can accommodate both feeder and trunk line, as well as all types of cable. The pressure block is an integral part of the exclusive Vik-O-Processed, weather-proof housing of the #534. The entire housing fastens to both messenger and cable as easily as the regular block. The housing clamps securely in place on the messenger cable with a minimum of effort. The central part of each quality manufactured unit, is Viking's back matched tap.

Viking has carefully investigated the factors that afford positive matching and low insertion loss. As a result, Viking has developed ... The "Dolphin". It is available as a 2 output plug-in (#535) or 4 output plug-in (#534). The "Dolphin" is especially designed to make hook-ups fast and simple.

Since the casing is the same, the system may easily start with one "Dolphin" with a 2 output plug-in to cover 2 homes. As the demand increases, the "Dolphin" can be replaced with a 4 output plug-in.

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Manufacturers of Quality Coaxial Cables and Television System Products

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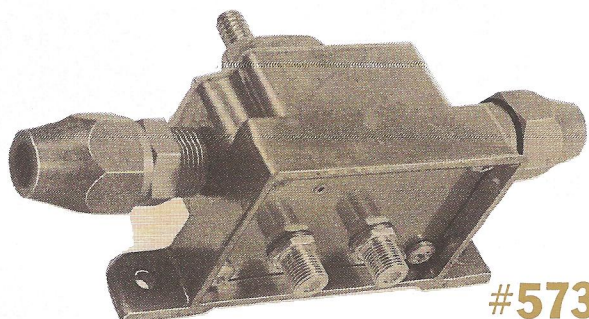
CABLE ADDRESS: JHB

Litho U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE

A DIRECTIONAL TAP FOR EVERY USE

2 OUTPUT DIRECTIONAL TAP



#573

The Viking #573 Two-output Directional Tap combines the high-quality features of the #935 single-output directional tap with the #932 two-way hybrid — all in the same small, weather-proof case. This unique combination saves installation time and avoids the use of external jumpers.

The dual taps provide matched, isolated outputs which can be used for distribution amplifiers or individual taps. Protection against ghosting is provided by the 30 db isolation of the taps to the outgoing line just as in standard directional taps.

The #573 is built to the highest standards possible with a 1.15 maximum line V.S.W.R. and 20 db isolation between taps. It is available with all types of fittings for any type of cable, either flexible or aluminum. It comes complete with provision for messenger or pole mounting.

viking

SPECIFICATIONS

V.S.W.R., 75 ohms, input: 1.15:1 max.
output, taps: 1. 3:1 max.

INSERTION LOSS, 12 db model: 1.0 db, max.
19 db model: .5 db, max.
25 db model: .3 db, max.

FREQUENCY RESPONSE, 54-220 mc.,
thru line: $\pm .2$ db, max.
tap-off tilt, lo band: 3.5 db, max.
hi band: 1.5 db, max.

ISOLATION, between taps: 20 db, min.
taps to out line, 12, 19 db models: 30 db, min.
25 db models: 36 db, min.

FITTINGS: 573/F — "F" fittings in and out \$ 8.50
573/308 — 308* fittings in and out 8.50
573/412 — 412* fittings in and out 11.90
573/412SM — 412SM fittings in and out 14.50
573/500 — 500* fittings in and out 12.50
573/500SM — 500SM fittings in and out 15.50

ALL MODELS permit A.C. or D.C. power feed-through
with tap isolated

ALL MODELS have "F" fittings for tap

*308 for #308 strip braid cables

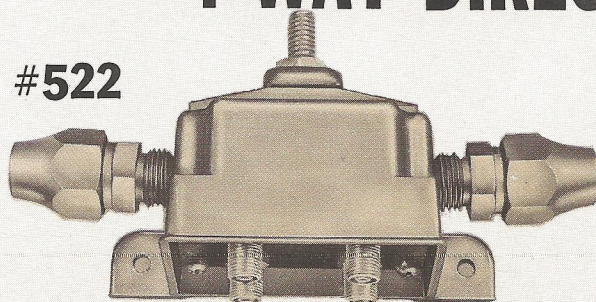
*412 for #1412 aluminum cables

*480 for .480 O.D. corrugated cables

*500 for #1500 aluminum cables

4-WAY DIRECTIONAL FLATTAP

#522



The model #522 Flattap is a flat directional tap combined with a four-way hybrid splitter. Only the desired signal coming from the amplifiers is selected by the tap and reflections from the tap lines are blocked by over 30 db to the "out line"

The Flattap is designed with an Ultra-flat attenuation, low insertion loss and low VSWR at all terminals enabling it to be used with high quality trunk cables.

All models permit up to 2 amperes AC or DC power feed-thru with taps isolated.

**with VIK-O-PROCESS plating to
prevent all corrosion problems**

SPECIFICATIONS

Frequency response: 5 — 216 mc.

V.S.W.R., Line input: 1.22:1, max.
Line output: 1.3:1, max.
Taps: 1.4:1, max.

Tap attenuation, db., $\pm .5$ db	14	18	22	26	30
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Tap flatness, db	$\pm .2$	$\pm .5$	$\pm .5$	$\pm .5$	$\pm .5$
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Isolation,					
between taps, db, min.,	25	25	25	25	25
between taps and line output,					
db, min., 5 — 150 mc.	30	30	32	36	40
150 — 216 mc.	30	30	30	30	36

Insertion loss, db., max.	2	1.5	1.3	1.2	1.2
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Dimensions: 3" x 2" x 1-5/8"

Fittings: 522/F, "F" Fittings in and out	—	\$10.00
522/308, 308* Fittings in and out	—	10.00
522/412, 412* Fittings in and out	—	13.40
522/412SM, 412SM Fittings in and out	—	16.00
522/500, 500* Fittings in and out	—	16.00
522/500SM, 500SM Fittings in and out	—	17.00

*308 for Corrugated Copper and Strip Braid Cables

*412 for 1412 Aluminum Cable

*500 for 1500 Aluminum Cable

Unit comes with messenger mount and a bracket for pole mount.

NEW!

#5501 - COMPLETELY SEALED FOR WEATHER-PROOFING

This waterproof sealed unit enables system owners to construct systems in areas of heavy condensation and salt spray. The 5501 has a stainless steel bottom plate with an extra stainless steel rubber gasketed top guard to eliminate any water seepage into the critical electronic circuitry. Add 25¢ for each weather sealed unit.

directional line tap

use either
#932
or
#933
coupler

#935

#935 SPECIFICATIONS

V.S.W.R. 75 ohms: 1.15:1 max., input
1.3:1 output and tap

INSERTION LOSS: 10 DB TAP - 0.7 DB max.
17 DB TAP - 0.3 DB max.
24 DB TAP - 0.25 DB max.

FREQUENCY RESPONSE: 54 - 220 mc.
THRU - LINE ± .2 DB
TAP-OFF ± .2 DB
TAP-OFF TILT: Lo band 2.5 db max.
Hi band 1.5 db max.

ISOLATION: TAP TO OUTLINE,
10, 17 DB MODELS - 30 db, min.,
24 DB MODEL - 36 db, min.

#546 JUMPER WIRE
12" 59 U CABLE JUMPERS
Assembled with
"F" Fittings \$.60 Ea.

with **VIK-O-PROCESS**
plating to prevent
corrosion problems

FITTINGS: INCLUDED

MOUNTING: MESSENGER WIRE OR POLE MOUNT
DIMENSIONS: 3" x 2" x 1 5/8"

MODEL 935, "F" fittings in and out	\$ 4.50
MODEL 935/308, *308 fittings in and out	4.50
MODEL 935/412, 412* fittings in and out	7.90
MODEL 935/412SM, 412SM fittings in and out	10.50
MODEL 935/500, 500* fittings in and out	8.50
MODEL 935/500 SM, 500SM fittings in and out	11.50

All models permit AC or DC power feed-thru with tap isolated

ALL MODELS HAVE "F" FITTINGS FOR TAP

*308 for #308 and .480 O.D. Corrugated Cables

*412 for #1412 Aluminum Cable

*500 for #1500 Aluminum Cable

#932 2-WAY COUPLER

FREQUENCY RANGE:	50-220mc
IMPEDANCE ALL TERMINALS:	75 ohms, unbalanced
V.S.W.R. ALL TERMINALS:	1.2:1 in., 1.3:1 out, max.
THRU LOSS:	3.5 db. max.
ISOLATION BETWEEN ALL OUTPUTS:	30 db min., 174-216 mc. 35 db min., 54-88 mc.
FITTINGS:	"F" type with Ferrules
CASE:	Zinc Die Casting
DIMENSIONS:	3" W x 2" D x 1 5/8" H
PACKED:	Individually boxed

#933 4-WAY COUPLER

50-220mc
75 ohms, unbalanced
1.2:1 max.
6.5 db. max.
30 db min. 54 to 216 mc
"F" type with Ferrules
Zinc Die Casting
3" W x 2" D x 1 5/8" H
Individually boxed

#932

\$4.00 • 2-WAY HYBRID COUPLER • \$4.

#933

\$7.00 • 4-WAY HYBRID COUPLER • \$7.

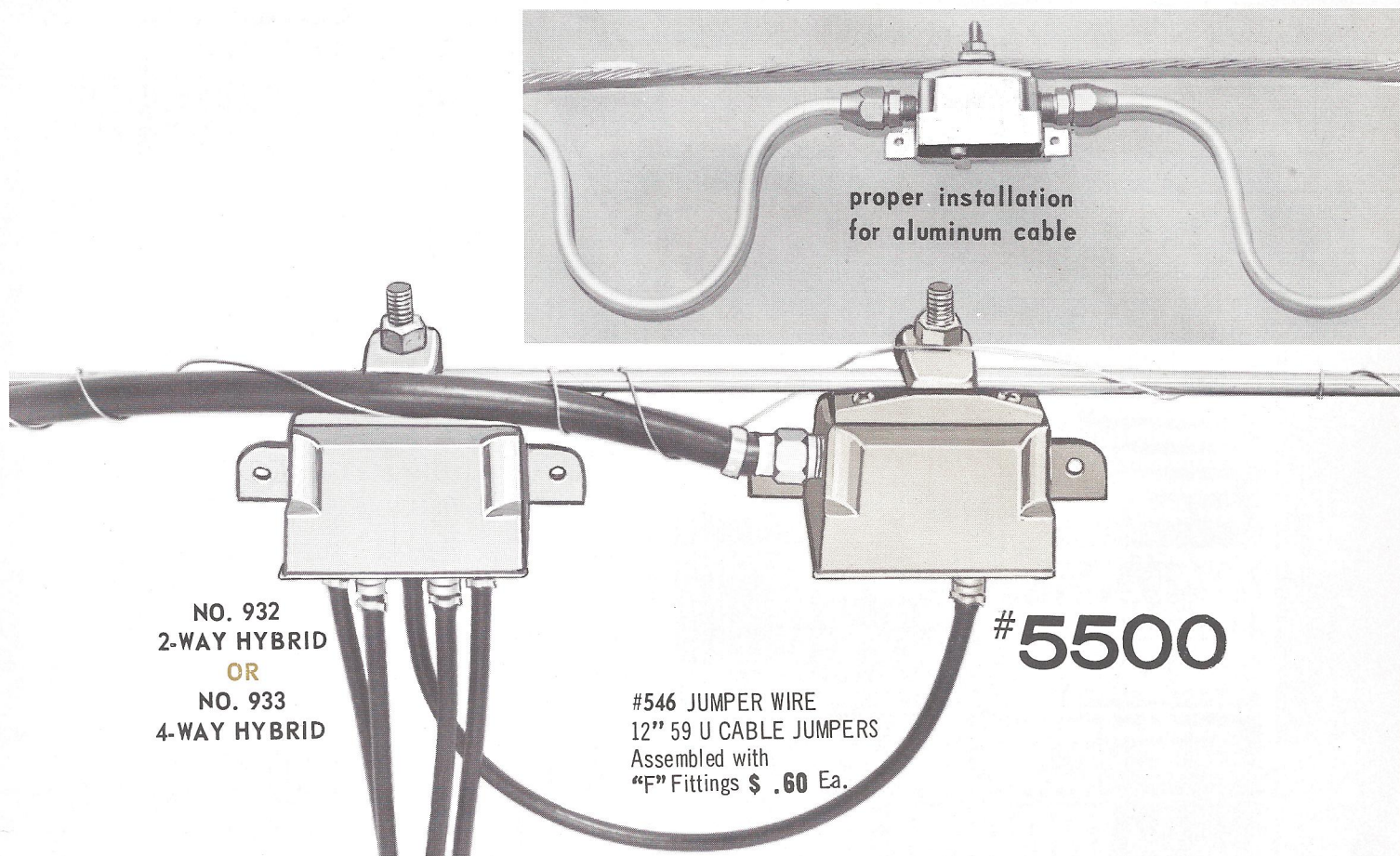
#51

WEATHER

#51

WEATHER

directional line tap with terminator



The Viking Directional Tap with Terminator is engineered to permit tapping of trunk lines or feeder lines of both plastic and aluminum cable systems and terminate trunk lines with a high quality AC/DC-isolated termination. Designed and built to the same exacting standards as the cable and amplifiers, it provides all the features which will ensure the highest signal quality on the longest lines with the greatest economy and flexibility. The unit is calibrated for a near-perfect match and good frequency response.

Additional outlets can be provided by using the Viking hybrid coupler — #932 for two or #934 for four outlets. No additional insertion loss is added while providing over 25 db of isolation between outputs. The specifications mean that any signals radiated back from TV sets will be blocked from each other and from the system.

Distribution amplifiers will be driven by a matched 75 ohm, flat frequency source and connections can be made or disconnected without any noticeable effect on the trunk line signal.

SPECIFICATIONS

INTERNAL RF TERMINATION, DC-AC ISOLATED, 500 VOLTS, MAX.

V.S.W.R. 75 ohms: 1.15:1 max., input
1.3:1 tap

FREQUENCY RESPONSE: 54-220 mc.
TAP-OFF: \pm .2 DB
TAP-OFF TILT: Lo band 2.5db max.
Hi band 1.5db max.

FITTINGS: INCLUDED
MOUNTING: MESSENGER WIRE OR POLE MOUNT

DIMENSIONS: 3" x 2" x 1-5/8"
PACKED: 12 TO A SHIPPING CARTON

MODEL 5500/F, "F" fittings in	\$5.00
MODEL 5500/308, 308* fittings in	5.00
MODEL 5500/412, 412* fittings in	7.00
MODEL 5500/412SM, 412SM fittings in	8.00
MODEL 5500/500, 500* fittings in	8.00
MODEL 5500/500SM, 500SM fittings in	8.50

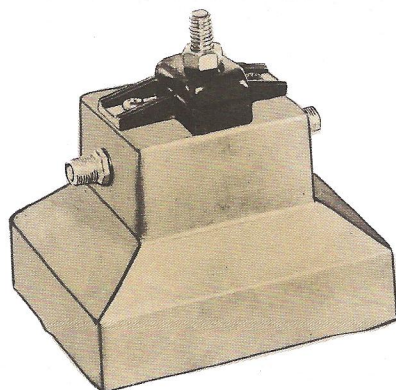
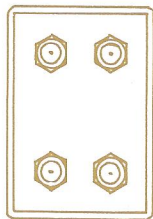
ALL MODELS HAVE "F" FITTINGS FOR TAP
Also available with Super Match fittings.

*308 for #308 and .480 O.D. Corrugated Cables.

*412 for #1412 Aluminum Cable.

*500 for #1500 Aluminum Cable.

FOUR-WAY DIRECTIONAL TAP



#511

The Viking Four-Way Directional Tap is designed to give maximum signal at the taps with extremely low line insertion loss. All taps are isolated by over 30 db from each other and by over 40 db from the OUT line.

All terminals are matched and the unit is housed in a non-ferrous die casting eliminating weathering problems.

All models permit up to 2 amperes AC or DC power feed-thru with taps isolated

SPECIFICATIONS

V.S.W.R., 75 ohms: 1.15:1 max., input
1.3 :1 max., output

INSERTION LOSS: 0.5 db, max.

TAP ATTENUATION: 54 – 88 mc. – 18 ± 1.5 db
174 – 216 mc. – 16 ± 1.0 db

ISOLATION: between taps – 30 db, min.
taps to out line – 40 db, min.

DIMENSIONS $4\frac{1}{4}''$ w x $3\frac{1}{4}''$ d x $3\frac{1}{4}''$ h

CONSTRUCTION: Housing – Non-Ferrous Metal

FITTINGS: 511/F. "F" Fittings in and out	\$10.00
511/308, 308* Fittings in and out	10.00
511/412, 412* Fittings in and out	13.00
511/412SM, 412SM Fittings in and out	16.00
511/500, 500* Fittings in and out	16.00
511/500SM, 500SM Fittings in and out	17.00

ALL MODELS HAVE F FITTINGS FOR TAP

*308 for Corrugated Copper and Strip Braid Cables

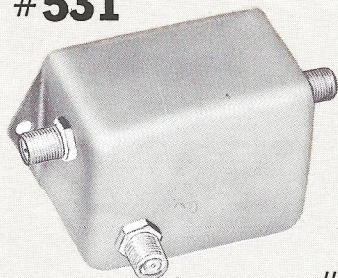
*412 for 1412 Aluminum Cable

*500 for 1500 Aluminum Cable

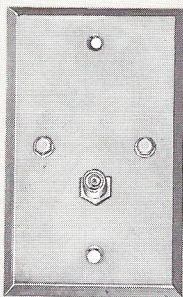
Unit comes with messenger mount and a bracket for pole mount.

INDOOR DIRECTIONAL TAP-OFFS

#531



#530



Now the finest tap-off possible is available for indoor installations as either a wallplate model to fit flush in a standard wall outlet box or as a surface mounted unit.

Wall box should be minimum of $2\frac{1}{2}''$ deep.

The tap is a directional coupler which is so widely used in CATV Systems because it prevents any TV oscillator or other interference from going on to the rest of the system.

All terminals are matched to near-perfection and, with its super-low through-loss, any type of system can be constructed with excellent results.

SPECIFICATIONS

V.S.W.R., 75 ohms: 1.15:1 max., input
1.3:1, output and tap

INSERTION LOSS: 10 DB TAP – 0.7 db, max.
17 DB TAP – 0.3 db, max.
24 DB TAP – 0.25 max.

FREQUENCY RESPONSE: 54 – 220 mc.
THRU – LINE: $\pm .2$ db
TAP-OFF: $\pm .2$ db
TAP-OFF TILT: Lo band 2.5 db, max.
Hi band 1.5 db, max.

ISOLATION: 10, 17 db Model – 30 db, min.
24 db Model – 36 db, min.

FITTINGS:	
530 Wallplate: Input, Output – Push-on	\$5 ⁰⁰ _{ea.}
Tap – F Type	
531 Surface Mounting,	\$5 ⁰⁰ _{ea.}
All Terminals – F Type	

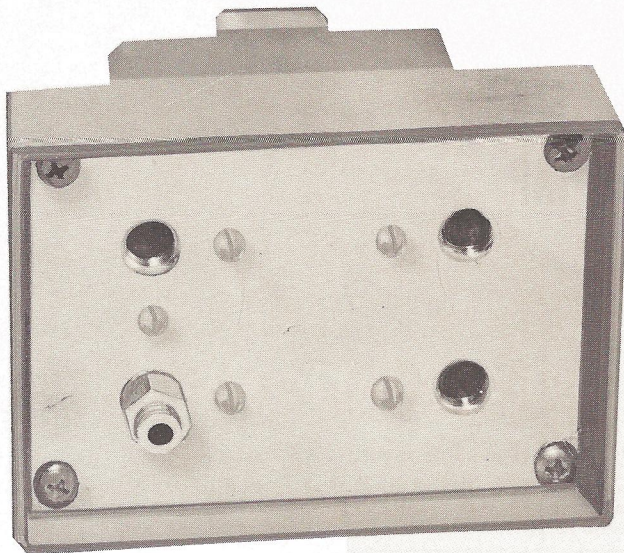
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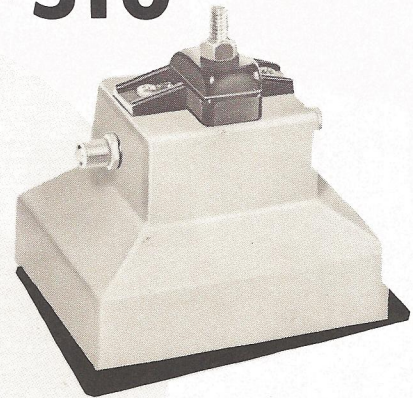
viking



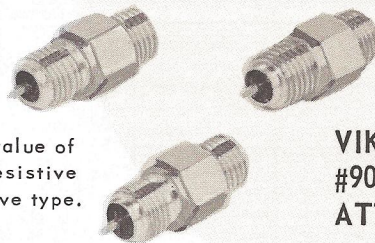
FOUR-WAY DIRECTIONAL VARI-TAP



510



Any value of
transformer, resistive
or capacitive type.



VIKING
#905
ATTENUATORS

The Vari-Tap is a unique, Viking-designed directional line tap with variable outputs. This permits great flexibility in the design of CATV and MATV systems as well as allowing for changes in system operation, amplifier levels or distribution layouts. The Vari-tap is designed for medium - to high - level systems.

The Vari-Tap is installed in the main line in the usual way and Viking pressure tap attenuators are inserted into the unit. Any combination of up to four attenuators, capacitor, resistor or transformer type, of any desired value may be used. Thus signal levels from 16 to 50 db down from the main line can be selected while each output is isolated from the outgoing main line by a minimum of 38 db in the case of the smallest attenuator value. Tap outputs need not be terminated if unused. If all four attenuators are low values, allow for an increase of .5 db attenuation per tap.

All models permit AC or DC power feed-thru with taps isolated.

The use of a non-ferrous all weather metal housing eliminates any problems of future rust or corrosion.

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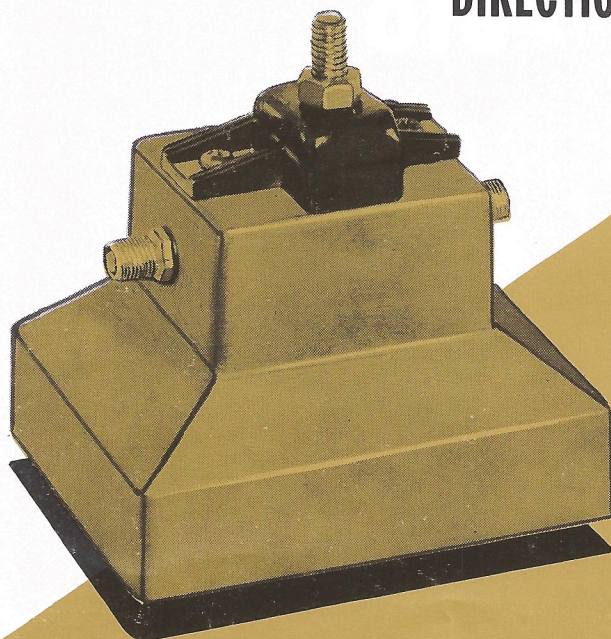
10/15/65

MU-4

viking



510 DIRECTIONAL VARI-TAP



**with VIK-O-PROCESS plating to
prevent all corrosion problems**

SPECIFICATIONS

V.S.W.R., 75 ohms, line input: 1.15:1 max. line output: 1.3 :1 max.	
Tap attenuation	: Attenuator value plus 10 db.
Insertion loss,	: 0.7 db max.
Isolation,	between taps: Sum of attenuator values in db. any tap to out line: 32 db plus the attenuator value in db
Frequency response, 54-220 mc,	
thru line:	$\pm .2$ db max.
tap-off tilt,	
low band:	2.5 db plus attenuator response, max.
high band:	1.5 db plus attenuator response, max.
Dimensions	: $4\frac{1}{4}$ " w x $3\frac{1}{4}$ " d x $3\frac{1}{4}$ " h
Line fittings can be furnished as follows:—	
MODEL	
510/F, "F" Fittings in and out	\$13.00 ea.
510/308, 308* Fittings in and out	\$13.00 ea.
510/412, 412* Fittings in and out	\$16.00 ea.
510/500, 500* Fittings in and out	\$17.00 ea.
The above prices include resistive or capacitive attenuators. Add 75¢ each for any transformer attenuators wanted. (T6, T12, T16, T20, T24, T30)	
*308 for Corrugated Copper and Strip Braid Cables	
*412 for 1412 Aluminum Cable	
*500 for 1500 Aluminum Cable	
Unit comes with messenger mount and a bracket for pole mount.	
Construction	Inside Contacts — Plated Phospor Bronze Bottom Plate — Plated Brass Housing — Non-Ferrous Metal

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DIRECTIONAL-TAP PEDESTAL MOUNT for UNDERGROUND SYSTEMS

The Viking Directional Tap is specifically designed for direct and easy cable installation in underground system pedestal or cabinet mounting.

This high performance directional tap selects the amplified TV signals only and rejects interference, thereby guaranteeing the finest system performance.

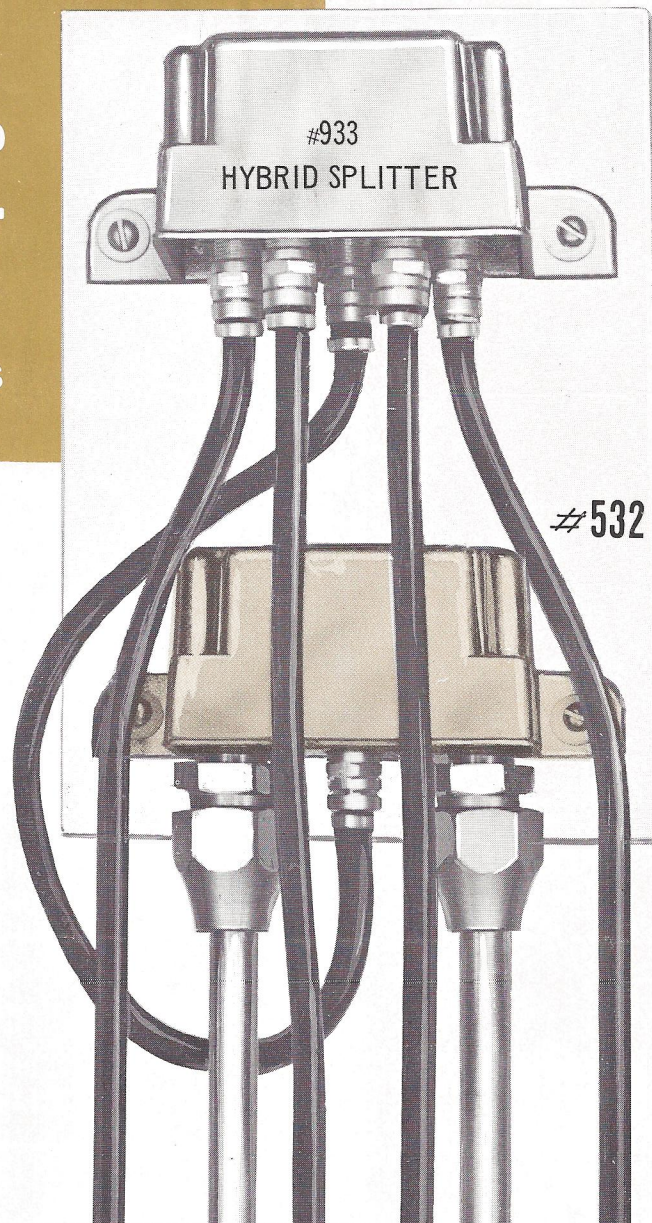
This new directional tap is made with VIK-O-PROCESS plating to prevent all Corrosion Problems.

All models permit AC or DC power feed-thru with tap isolated.

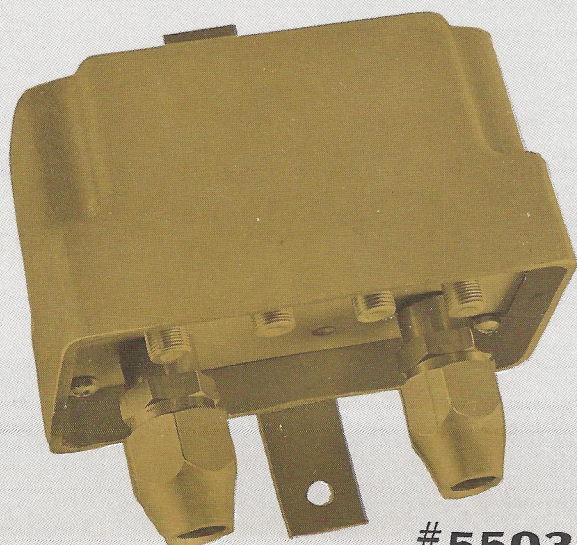
DIRECTIONAL . . . selects amplifier signals only.

MATCHED . . . all terminals matched line,

LOW LOSS25 db insertion loss for 24 db,
.3 db for 17 db, .7 db for 10 db.



4-WAY PEDESTAL DIRECTIONAL TAP



#5503

SPECIFICATIONS

Frequency range:	.5-217 mc.
V.S.W.R., 75 ohms, line input, output:	1.18 max. (R.L. - 22 db, min)
taps:	1.27 max. (R.L. - 18.5 db, min)
Insertion loss:	.8 db, max.
Tap attenuation:	17.2 db \pm .5 db
Tap flatness:	\pm .2 db
Isolation, between taps:	25 db, min.
between taps and line output:	30 db, min.
Power feed-thru:	8 amps., max.
Fittings	5503/F - 10.00
	5503/412 - 13.00
	5503/500 - 16.00

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#532
DIRECTIONAL
TAP.

SPECIFICATIONS

V.S.W.R., 75 ohms: 1.15:1 max, input
1.3:1 output and tap

INSERTION LOSS: 10 db TAP – 0.7 db max.
17 db TAP – 0.3 db max.
24 db TAP – 0.25 db max.

FREQUENCY RESPONSE: 54–220 mc

THRU–LINE : ± .2 db

TAP–OFF : ± .2 db

TAP–OFF TILT : low band 2.5 db max.
hi band 1.5 db max.

ISOLATION : tap to out line,
10, 17 db models – 30 db, min.
24 db model – 36 db, min.

FITTINGS : include pedestal or housing mount
MOUNTING : messenger wire or pole mount
DIMENSIONS : 3" x 2" x 1¼, exclusive
of fittings
PACKED : 12 to a shipping carton

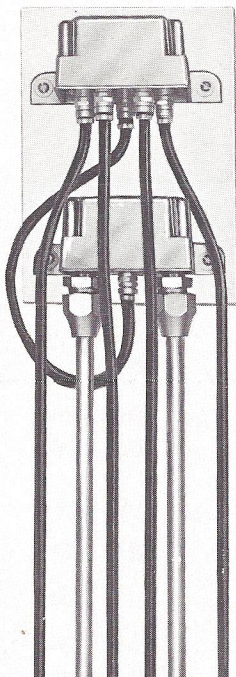
MODEL

#532, F fittings in and out _____ \$4.50
#532/308, *308 fittings in and out _____ \$4.50
#532/412, *412 fittings in and out _____ \$7.50
#532/500, *500 fittings in and out _____ \$8.50

ALL MODELS HAVE F FITTINGS FOR TAP

*308 for #308 and .480 O.D. Corrugated Cable
*412 for #1412 Aluminum Cable
*500 for #1500 Aluminum Cable

#546 Jumper Wire _____ \$0.60
12" 59 U Cable Jumpers Assembled with F Fittings
#933 Four-Way Hybrid Splitter _____ \$7.00
#932 Two-Way Hybrid Splitter _____ \$4.00



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ALL NEW

MIGHTY MIDGET

THE SMALLEST TRANSFORMER EVER MADE

COMPLETELY
ENCAPSULATED
FOR NO
PULLOUT

SHOWN ACTUAL SIZE

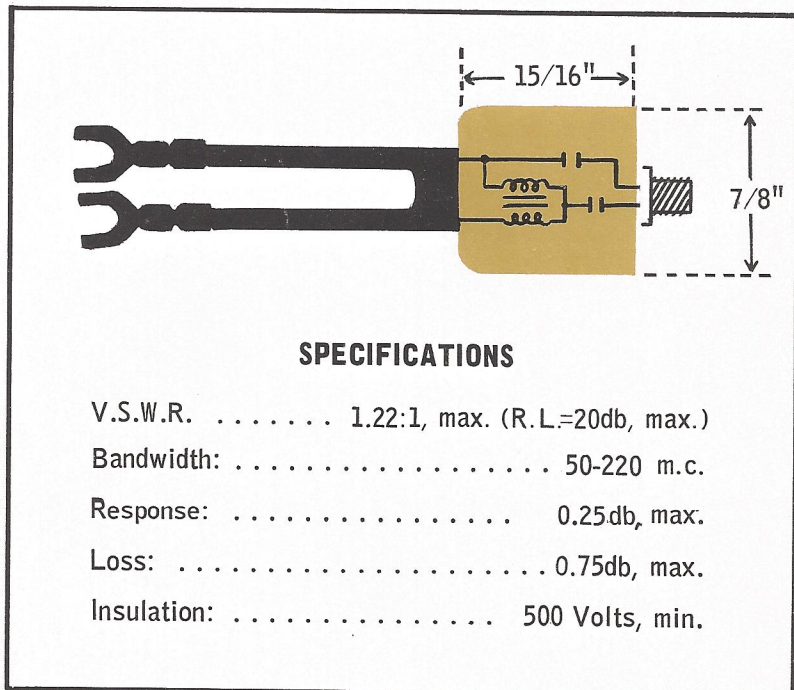
SPRING TYPE "F" FITTING



only \$1.25 EACH

- ★ MARKED "PROPERTY OF CABLE TV"
- ★ INSULATED, RADIATION PROOF CASE
- ★ NO SHORTING PROBLEMS WITH "HOT-CHASSIS" TV SETS
- ★ SHORT, MAXIMUM-STRENGTH LEADS
- ★ SUPER MATCH DESIGN
- ★ DIE CAST ZINC CASE WITH PLASTIC COVER
- ★ "F" SPRING-TYPE FITTINGS
- ★ TO ACCOMMODATE ALL 59-TYPE CABLES

PACKED 25 PIECES TO A CARTON



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72-300 OHM SUPER-MATCHED TRANSFORMERS

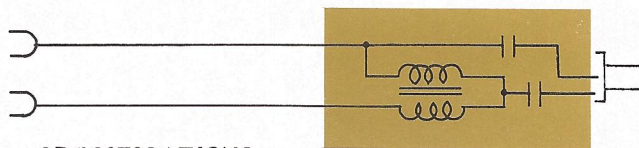
all aluminum ... with snap on back

WITH "F" FITTING



#927/F with "F" fitting
ONLY \$1.25 EACH

- ★ COMPLETELY BLOCKS AC FROM SET
- ★ GUARANTEED NON-GHOSTING
- ★ All Aluminum Case
- ★ Snap-On Back
- ★ Heavy Duty 300 OHM Twin Lead
- ★ Ultra Fidelity
- ★ Full signal delivery
- ★ Completely shielded



SPECIFICATIONS

V.S.W.R. - 1.18:1 (match - 10:1)
Bandwidth: 50-220 M.C.
Response: 0.25 DB Max.
Loss: 0.4 DB Max.
Insulation: 500 VOLTS, MIN.

EACH UNIT INDIVIDUALLY BAGGED WITH SCREWS AND CONNECTORS
TRANSFORMERS PACKAGED 25 TO A CARTON

WITH "C" FITTING



#980/C with "C" fitting
ONLY \$1.25 EACH

WITH PLASTIC CASE



#927/PF - \$1.25
same as #980 but in plastic case with "F" fitting
#980/PC - \$1.25
same as #980 but in plastic case with "C" fitting



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72-300 ohm matching transformers

The new Model #910 matches impedance from 72 to 300 ohms, providing an excellent match and efficient signal transfer.

AC-DC ISOLATION -

- Full 6 db voltage step up.
- Featuring our new fully symmetrical true transformer circuit.
- Low V.S.W.R. (approx. 1.2-1).
- High impact case with internal aluminum shielding.
- Standard RG59 coax connector supplied with unit.
- Lightweight permits back of set mounting with or without screws.
- Shorter leads to minimize radiation
- Color = Cream
- 300 OHM twin lead
- Bandpass: Channels 2-13.

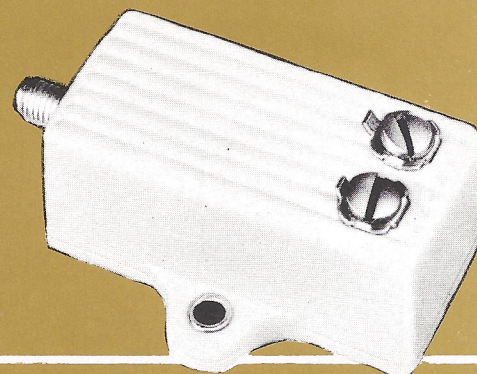
PKD. 25 TO A CARTON



#910
FOR BACK
OF SET
\$1.00
EACH

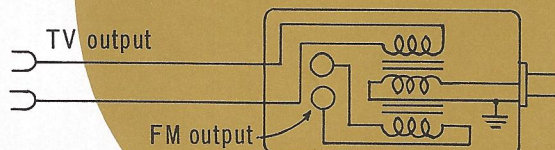
ALSO AVAILABLE WITH EITHER
"F" FITTINGS - #910/F ... \$1.05
OR "C" FITTINGS #910/C ... \$1.00

#911
FOR BASEBOARD
MOUNT
\$1.00
EACH



TV/FM MATCHING TRANSFORMER

*FULL TV BAND, MONOCHROME, AND
COLOR PLUS FM OUTPUT*



#928



\$1.45
EACH

ALSO AVAILABLE WITH
"F" FITTINGS - #928/F ... \$1.50

TV SPECIFICATIONS

- Bandpass: Channels 2 - 13.
- Full 6 db voltage step up for TV Band
- Featuring our new fully symmetrical true transformer circuit.
- Low V.S.W.R. (approx. 1.2-1)
- High impact case with internal aluminum shielding.

FM SPECIFICATIONS

88-108 MC
Same Voltage at 300 Ohms
at 75 Ohm input
TV ON SPADE LUGS
FM ON SCREW TERMINALS

AC-DC ISOLATION

- Standard RG59 coax connector supplied with unit.
- Lightweight permits back of set mounting with or without screws.

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WALL MOUNT TV-FM MATCHING TRANSFORMER with grounding lug

**FULL TV BAND, MONOCHROME,
AND COLOR PLUS FM OUTPUT**

TV BAND SPECIFICATIONS

Bandpass: 50-220 mc.
Frequency response: $\pm .25$ db, max.
Insertion loss:8 db, max.
V.S.W.R.: 1.3, aver.; 1.5, max.

FM BAND SPECIFICATIONS

Bandpass: 88-108 mc.
Frequency response: $\pm .25$ db, max.
Insertion loss: 7.5 db, max.
V.S.W.R.: 1.5:1 max.



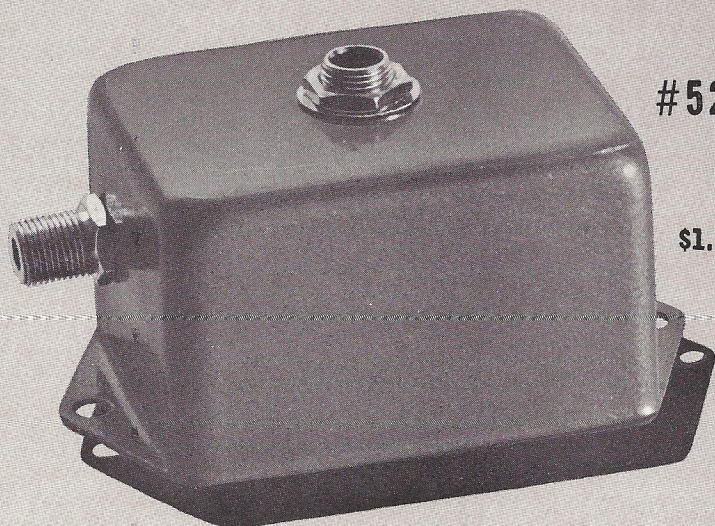
#5206

\$1.75 EACH

GROUNDING LUG

72-72 OHM SELF-TERMINATING SURFACE BOX

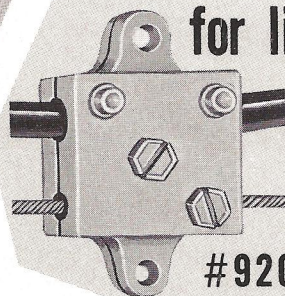
**TERMINATES LINE WHEN
TELEPHONE PLUG IS DISCONNECTED**



#5250

\$1.75 EACH

RG 59U GROUNDING BLOCK for lightning protection



#920

\$1.50

Vik-O-Process Plated to prevent corrosion problems; stainless steel pins; simple installation; protected installation for RG59 coaxial; no coring or splicing required.

SPECIFICATIONS

Termination
V.S.W.R. : 1.18 max.
(R.L. - 21 db, min.)

Feed-thru insertion
loss (when jack
inserted): 0.25 db, max.

Available with 10' of 59U with mating plug on one end
and a 906 male "F" fitting on other end.

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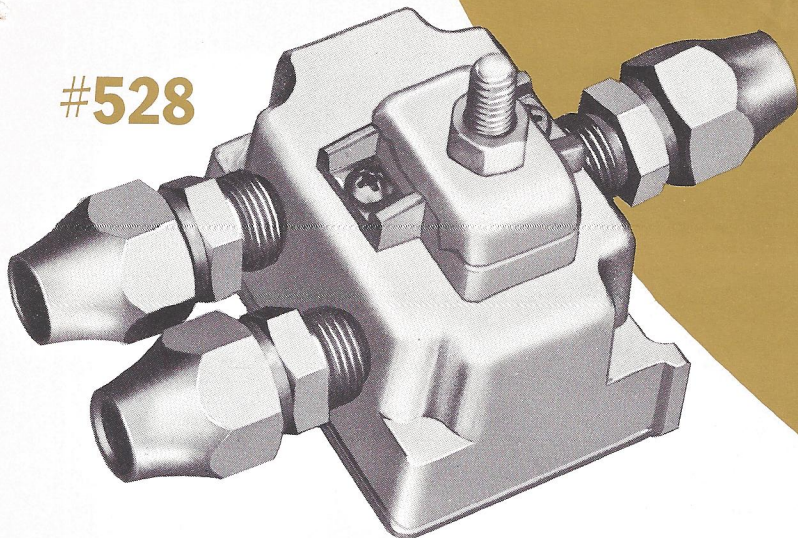
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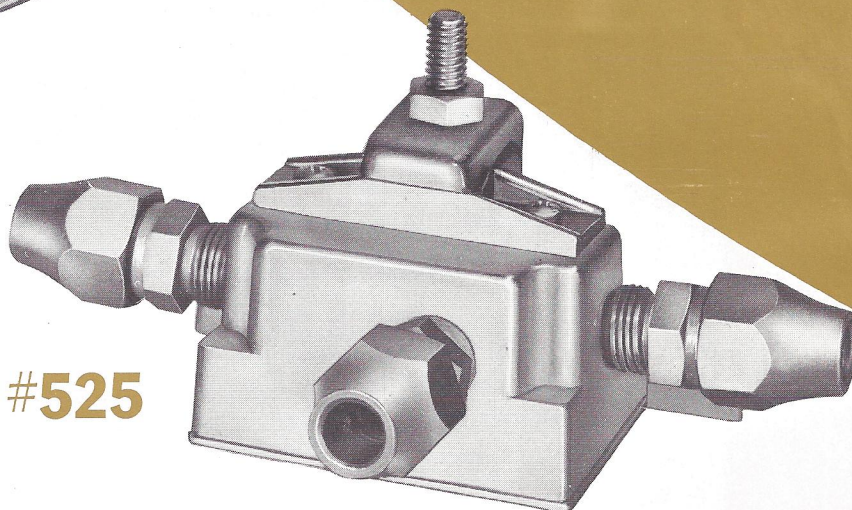
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**viking****#528**

TRUNK LINE SPLITTER

passes AC and DC power

#525

Models 525 or 528 Trunk Line Couplers are precision units for splitting a trunk line into two trunks or combining two trunk lines into a single trunk. They are designed, built and tested to the most stringent specifications possible for CATV, closed circuit or sub-channel operation.

Either unit is available with all commonly used fittings for direct cable attachment and is weatherproof. Its' die-cast, non-ferrous housing is designed for messenger or pole mounting.

SPECIFICATIONS

V.S.W.R., 75 ohms, Input and Outputs . . . : 1.15: 1 Max.
Through Loss, ± 25 , db : 3.25 db
Output Balance : 0.25 db, Max.

Frequency Response, 18-220 MC : ± 0.25 db, Max.
Isolation, between outputs
18-220 MC : 26db, Min.

Models #525 and #528 will pass up to 4 amps DC or AC

SEE REVERSE SIDE FOR PRICES

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#525 and #528 line fittings can be furnished as follows:

/F, "F" Fittings in and out	\$ 5.50
/308, 308* Fittings in and out	\$ 5.50
/101SM, 101SM* Fittings in and out	\$ 7.00
/412, 412* Fittings in and out	\$10.00
/412 SM, 412 SM* Fittings in and out	\$13.00
/480SM, 480SM* Fittings in and out	\$ 7.00
/500, 500* Fittings in and out	\$11.50
/500SM, 500SM* Fittings in and out	\$14.50
/655SM, 655SM* Fittings in and out	\$15.25

- F* — with "F" type fitting
- #308* — for 308 strip braid cable
- #101SM* — Super Match series of 75 ohm UHF threaded fittings
- #480SM* — Super Match series of 75 ohm UHF threaded fittings for .480 O.D. corrugated cable.
- #412* — for .412 O.D. aluminum cable
- #412SM* — Super Match series of 75 ohm UHF threaded fittings for .412 O.D. aluminum cable with extra long grip
- #500* — For .500 O.D. aluminum cable
- #500SM* — Super Match series of 75 ohm UHF threaded fittings for .500 O.D. aluminum cable with extra long grip
- #655SM* — Super Match series of 75 ohm UHF threaded fittings for .655 O.D. corrugated cable

SEE REVERSE SIDE FOR DESCRIPTION



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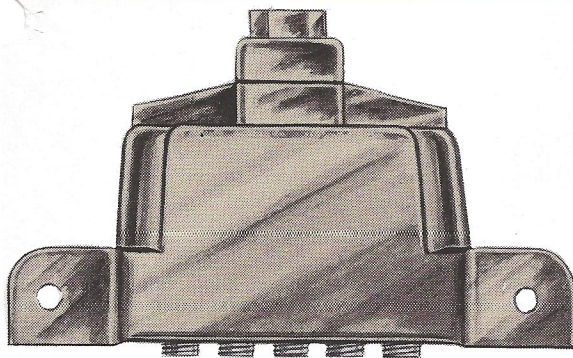
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BACK MATCHED DIRECTIONAL HYBRID COUPLER



FOR SUPPORT WIRE & POLE MOUNT
OUTDOOR TYPE WITH VIK-O-PROCESS PLATING
TO PREVENT ALL CORROSION PROBLEMS

- Super-high isolation – 30db between outlets
- Exact match at all terminals – outputs are back matched
- Low Loss
- Weather proof zinc case
- No distortion
- Excellent for color

NEWLY DESIGNED FOR
FASTER, EASIER INSTALLATION
COMPLETELY WEATHER PROOF

The Viking Models #932 and 933 are high performance directional couplers, built to the most exacting standards in the CATV industry. Now you can split or combine individual lines with no reflections, smears or interference. The unit is encapsulated, assuring practically unlimited service. It may be installed outdoors under any climatic conditions. Mounting is optional, either messenger, mast or wall.

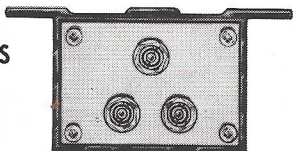
2 Way Hybrid Coupler No. 932

FREQUENCY RANGE:
IMPEDANCE ALL TERMINALS:
V.S.W.R. ALL TERMINALS:
THRU LOSS:

ISOLATION BETWEEN ALL OUTPUTS

FITTINGS
CASE
DIMENSIONS
PACKED:

\$4.00 ea.



50-220mc
75 ohms, unbalanced
1.2:1 in., 1.3:1 out, max.
3.5 db. max.
30 db min., 174-216 mc.
35 db min., 54-88 mc.
F type with Ferrules
Zinc Die Casting
3" W x 2" D x 1 5/8" H
Individually boxed
Capacitive AC-DC
isolation

4 Way Hybrid Coupler No. 933

FREQUENCY RANGE:
IMPEDANCE, ALL TERMINALS:
V.S.W.R. ALL TERMINALS:

THRU LOSS:
ISOLATION BETWEEN ALL OUTPUTS:

FITTINGS:

CASE:

DIMENSIONS:

PACKED:

\$7.00 ea.



50-220mc
75 ohms, unbalanced
1.2:1 max.
6.5 db. max.
30 db min. 54 to 216 mc
F type with Ferrules
Zinc Casting
3" W x 2" D x 1 5/8" H
Individually boxed
Capacitive AC-DC
isolation

ABSOLUTE PROOF THAT VIKING'S HYBRID COUPLERS ARE THE BEST COMPETITIVE HYBRID SPLITTER SPECIFICATIONS

M'FR	2-WAY						4-WAY					
V I K I N G	MODEL	MATCH – V.S.W.R.		ISOLATION – DB		OUTDOOR	MODEL	MATCH – V.S.W.R.		ISOLATION – DB		OUTDOOR
	NO.	INPUT	OUTPUT	LO BAND	HI BAND		NO.	INPUT	OUTPUT	LO BAND	HI BAND	
	932	1.2	1.3	35	30	YES	933	1.2	1.2	30	30	YES
A		1.2	1.3	20	15	NO	–	1.2	1.2	12	12	NO
	–	SAME (Push-on fittings)				NO						
		SAME				YES						
B		1.6		14	14	YES	–	1.3	1.3	18	18	YES
	–	1.4		14	14	NO						
		1.2	1.3	15	15	YES		1.2 nominal	1.2	6	6	YES
C	–	1.2		24		YES	–	1.2	1.2	24	24	YES
D	–						–	1.4	1.5	25	22	NO
E	–			16	16	NO	–					
F	–	1.25	1.6	12	12	YES	–	1.25	16	12	12	YES

viking



line splitters

SPECIFICATIONS

#930 2-WAY

Capacitive AC-DC isolation

#931 4-WAY

Capacitive AC-DC isolation

FREQUENCY RANGE.....	50-220mc.....	50-220mc.....
IMPEDANCE.....	75 ohms, unbalanced.....	75 ohms, unbalanced.....
THRU LOSS.....	3.3 db.....	6.5 db.....
INPUT V.S.W.R.....	1.1 to 1.....	1.3:1.....
ISOLATION BETWEEN OUTPUTS.....	12 db.....	12 db.....
DC AND AC ISOLATION BETWEEN INPUT AND OUTPUTS.....		
DIMENSIONS.....	2-3 1/4" W x 2" L x 3 8/8" H.....	2-3 1/4" W x 2" L x 1-7/8" H.....
FITTINGS.....	#930 .. C Type with Coupling & Ferrules.....	#931 .. C Type with Couplings & Ferrules.....
	#930 F. F Type Adapter.....	#931/F. F Type Adapter.....
PACKED.....	Individually.....	Individually.....



\$2.50

#930



\$5.00

#931

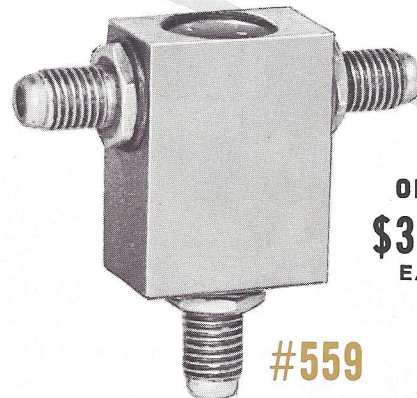
inline taps

Line feed-thru compensated, 1.2 V.S.W.R. max. Solderless surface mount non-corrosive Line Tap for 59/U feeders. Capacitive network permits use with low or high output amplifiers – complete with mounting bracket and "C" type connectors, color coded as per chart below. Terminate the last tap on a Feeder line with a #919 termination plug.

CODE	CHANNELS							
	2		6		7		13	
GD	41	.04	38	.04	32	.04	30	.04
W	34	.04	30	.04	26	.05	23	.05
R	27	.05	24	.05	19	.10	17	.13
Y	22	.06	19	.11	14	.25	12	.45
G	19	.11	16	.17	13	.36	11	.50
B	16	.16	14	.20	9	.91	8	1.1
BK	12	.27	10	.45	8	1.0	7	1.3

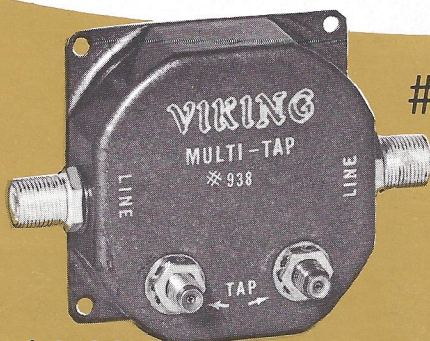
Attenuation

Insertion Loss



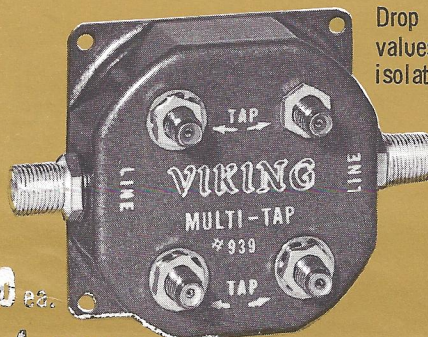
**ONLY
\$3.00
EACH**

#559



\$4.00 ea.

#938 2-way



**\$5.50 ea.
#939 4-way**

For use in main distribution line of multiple installations to provide two or four drop lines or risers – transformer line taps – low loss networks. Flat frequency response, excellent match to "F" Fittings for RG 59/U cables. Drop connectors are "C" type. Available with isolation values of 12, 16, 20, 24 and 30 DB. Capacitive AC-DC isolation

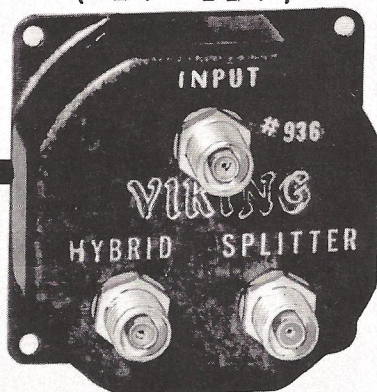
**BE SURE TO SPECIFY
DB VALUES
WHEN YOU ORDER**

viking



BACK MATCHED HYBRID COUPLERS INDOOR TYPE

(2-1/4" x 2-1/4")



#936
\$3.75
EACH

(1-5/8" x 1-1/8")



MINIATURE
2-way hybrid
coupler

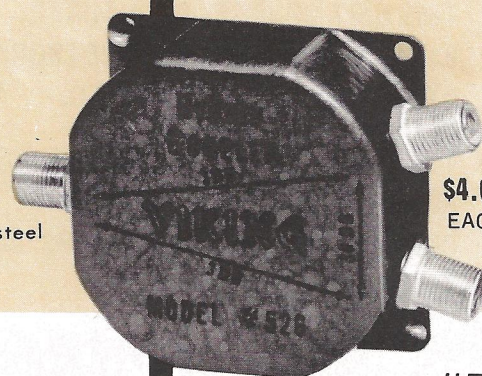
#556 \$3.75
EACH

2-way hybrid couplers

SPECIFICATIONS

FREQUENCY RANGE:
IMPEDANCE ALL TERMINALS:
V.S.W.R. ALL TERMINALS:
THRU LOSS:
ISOLATION BETWEEN ALL OUTPUTS
FITTINGS:
CASE:
DIMENSIONS:
PACKED:

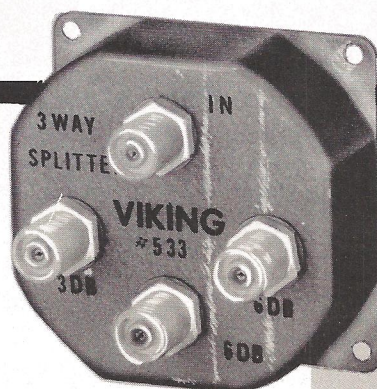
Capacitive AC-DC isolation
50-220mc
75 ohms, unbalanced
1.2:1 in., 1.3:1 out, max.
3.5 db. max.
30 db min., 174-216 mc.
35 db min., 54-88 mc.
F type with Ferrules
Painted terne plated steel
2 1/4 x 2 1/4 x 1 1/8
Individually



\$4.00
EACH

#526
"Y" Coupler

3-way hybrid coupler



\$5.75
EACH **#533**

FREQUENCY RANGE:
IMPEDANCE, ALL TERMINALS:
V.S.W.R., ALL TERMINALS:
THRU LOSS: 3 db output:
6 db outputs:
ISOLATION BETWEEN ALL OUTPUTS:
FITTINGS:
CASE:
DIMENSIONS:

50 - 220mc
75 ohms, unbalanced
1.2:1, max.
3.5 db, max.
6.5 db, max.
28 db, min.
F type
Painted terne plated steel
3" W. x 2" D. x 1-5/8" H.
Capacitive AC-DC isolation

4-way hybrid coupler

SPECIFICATIONS

FREQUENCY RANGE:
IMPEDANCE, ALL TERMINALS:
V.S.W.R. ALL TERMINALS:
THRU LOSS:
ISOLATION BETWEEN ALL OUTPUTS:
FITTINGS:
CASE:
DIMENSIONS:
PACKED:

Capacitive AC-DC isolation
50-220mc
75 ohms, unbalanced
1.2:1 max.
6.5 db. max.
30 db min. 54 to 216 mc
F type with Ferrules
Painted terne plated steel
2 1/4 x 2 1/4 x 1 1/8
Individually



\$6.75
EACH

#937

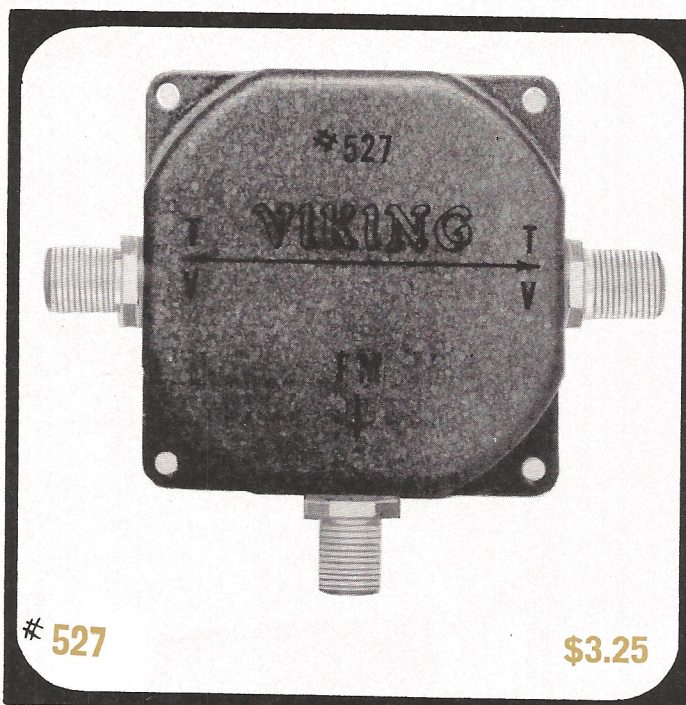
viking

FM TAPOFF

VIKING FM TAP #527 PROVIDES FOR THE CONNECTION OF ONE FM SET TO A TRUNK LINE WITHOUT SIGNIFICANT INSERTION LOSS TO TV SIGNALS.

THIS UNIT CONSISTS OF A THREE ELEMENT TUNED FILTER NETWORK IN AN ATTRACTIVE METAL HOUSING.

THE UNIT IS COMPLETE WITH F FITTING'S FOR EASE IN INSTALLING AND CONNECTING TO HOUSE DROPS AND TO EACH FM RECEIVER.



PASSES ALL FREQUENCIES FROM 0 TO 220 MC, BUT TAPS OFF FM ONLY.

SPECIFICATIONS

SPECIFICATIONS

Bandwidth:	Thru line	0-220 MC
	Tap	88-108 MC, ± 1.5 db
Isolation:	FM band, 88-108 MC	11 db
	TV band, 54-88 MC	20 db
	174-216 MC	24 db
Insertion loss:	FM band	0.4 db
	TV band	negligible
V.S.W.R.:	TV band	1.15 max.
Fittings:	"F" Type	
Dimensions:	2" x 2" x 1"	
Capacitive AC-DC isolation		

viking

Manufacturers of Quality Coaxial Cables and Television System Products

830 MONROE STREET, HOBOKEN, NEW JERSEY • CALL US COLLECT: NEW YORK: (212) WH 3-5793, HOBOKEN: (201) OL 6-2020

COLOR

- Operates over VHF & FM bands.
- Flat Bandpass to preserve color signals.
- Input and outputs impedance matched to 300 OHMS.
- Adequate isolation between outputs.
- Hybrid coil circuit for low losses.
- Outputs at - 3 db.

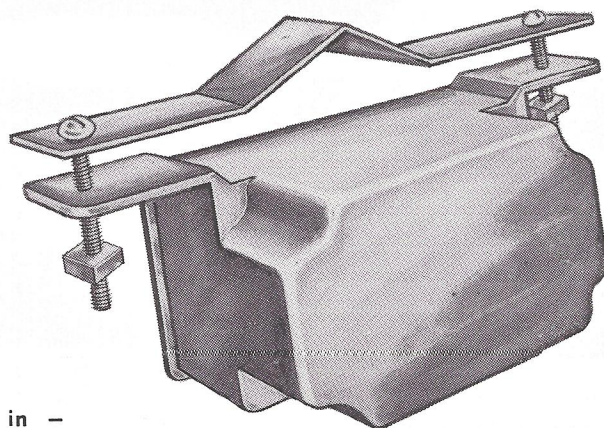
PLASTIC INDOOR CASE



Complete with universal mounting bracket for flat surface or mast mount.

Made of high impact styrene plastic case which allows excellent signal transfer. Completely sealed parts prevent changing characteristics due to local moisture and heat problems. Easily mounted indoors in any position.

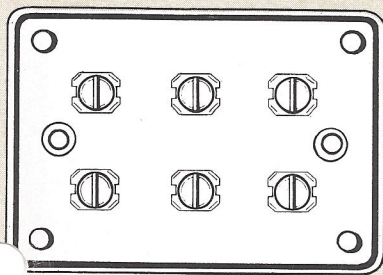
WEATHERPROOF OUTDOOR CASE



300 Ohms in -
300 Ohms out.

Made of die cast zinc which prevents radiation and acts as a regular shield to outside interference. It allows a maximum of signal transfer and a minimum loss. Completely weatherproof Vik-O-Process Plated Case for indoor or outdoor use.

TWO SET COUPLER

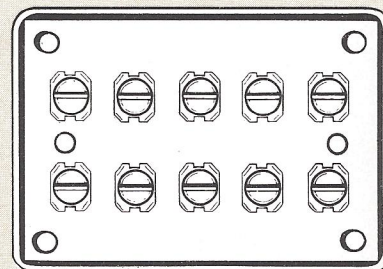


TO ORDER: BE SURE TO DESIGNATE CASE AND STYLE MODELS

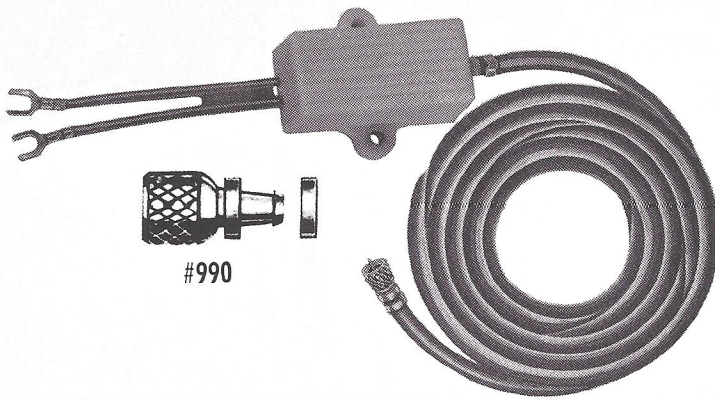
COLOR COUPLER	OUTDOOR	INDOOR
2 SET	981	983
4 SET	982	984

#981 - \$2.00
#983 - \$1.80

FOUR SET COUPLER



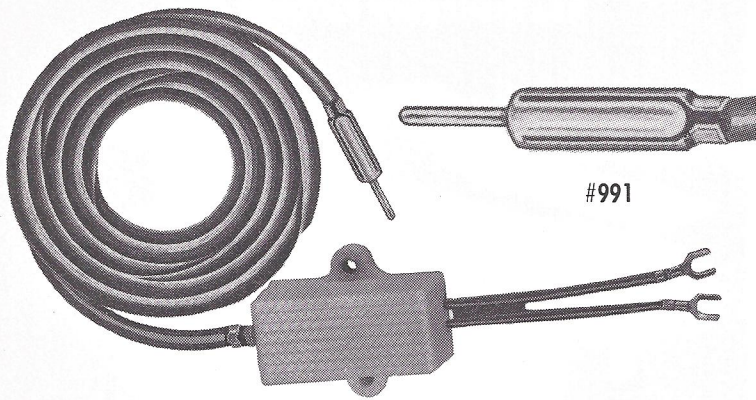
#982 - \$3.50
#984 - \$3.25



#990

- Minimize installation time
- Provides excellent match
- V.S.W.R. – 1.2:1, aver.
- Standard Viking #910 Matching Transformer
- Standard with RG-59/U vinyl type solid dielectric cable
- 6' & 10' length standard

Other lengths, types of cable, colors and matching transformers made to special request.



#991

Cable assembled with 72-300 Ohm matching transformers to go with all existing wall outlets – with auto plug or C type fittings.

- #990/6 – \$1.60 – 6' length – C Fitting
- #990/10 – \$1.75 – 10' length – C Fitting
- #991/6 – \$1.60 – 6' length – Auto plug Fitting
- #991/10 – \$1.75 – 10' length – Auto plug Fitting

PRE-ASSEMBLED SET TO WALL CABLES

Cable assembled with fittings on each end to go from Transformer to wall outlets – standard RG 59/U Vinyl type solid dielectric cable.

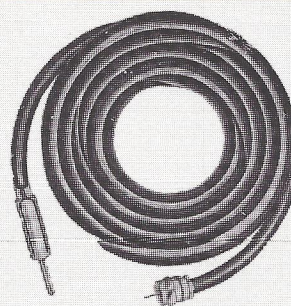
6' & 10' lengths standard all other lengths, types of cable and colors made to special request.



#992 – \$.90
C Fittings on both
ends 6' length

#993 – \$1.05
C Fittings on both
ends 10' length

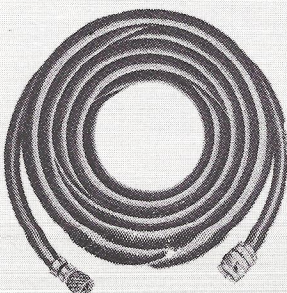
"C" – TO – "C"



#996 – \$.90
Autoplug on one end,
"C" Fitting on other
end, 6' length

#997 – \$1.05
Autoplug on one end,
"C" Fitting on other
end, 10' length

"A" – TO – "C"



#994 – \$.90
"F" Fitting on one end and
"C" Fitting on other end, 6' length

#995 – \$1.05
"F" Fitting on one end and
"C" Fitting on other end, 10' length

"F" – TO – "C"



#998 – \$.90
Autoplug on one end,
"F" Fitting on other
end, 6' length

#999 – \$1.05
Autoplug on one end,
"F" Fitting on other
end, 10' length.

"A" – TO – "F"



INDOOR DIRECTIONAL TAPOFFS

Now the finest tap-off possible is available for indoor installations as either a wallplate model to fit flush in a standard wall outlet box or as a surface mounted unit.

Wall box should be minimum of 2½" deep.

The tap is a directional coupler which is so widely used in CATV Systems because it prevents any TV oscillator or other interference from going on to the rest of the system.

All terminals are matched to near-perfection and, with its super-low through-loss, any type of system can be constructed with excellent results.

SPECIFICATIONS

V.S.W.R., 75 ohms: 1.15:1 max., input
1.3:1, output and tap

INSERTION LOSS: 10 DB TAP – 0.7 db, max.
17 DB TAP – 0.3 db, max.
24 DB TAP – 0.25 max.

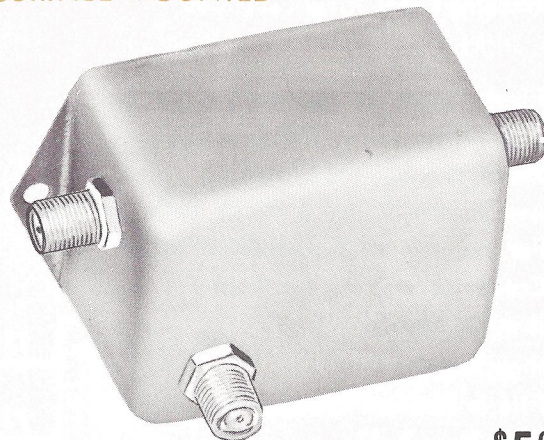
FREQUENCY RESPONSE: 54 – 220 mc.
THRU – LINE: ± .2 db
TAP-OFF: ± .2 db
TAP-OFF TILT : Lo band 2.5 db, max.
Hi band 1.5 db, max.

ISOLATION:
10, 17 db Model – 30 db, min.
24 db Model – 36 db, min.

FITTINGS:
530 Wallplate:
Input, Output – Push-on
Tap – F Type

531 Surface Mounting,
All Terminals – F Type

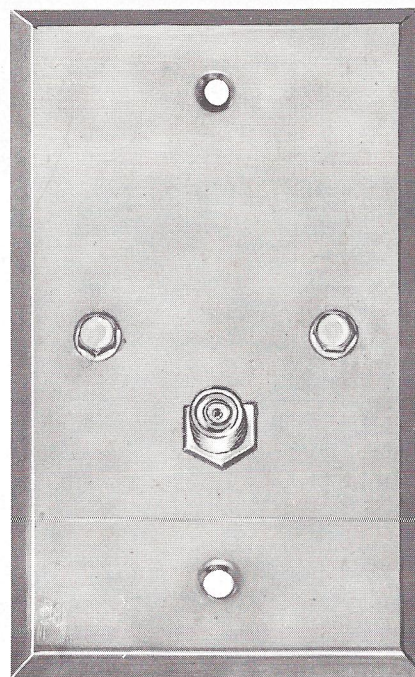
SURFACE MOUNTED



#531

\$5⁰⁰
ea.

WALL PLATE



#530

\$5⁰⁰
ea.



THE STANDARD OF THE CATV INDUSTRY

830 Monroe Street, Hoboken, New Jersey • Call Us Collect: New York: (212) WH 3-5793, Hoboken: (201) OL 6-2020
WIRE WU: WUX-JHB, HOBOKEN, N. J. Litho in U.S.A. PLEASE INSERT THIS SHEET IN YOUR CATALOGUE

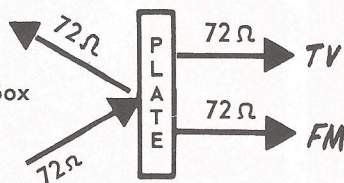


TV-FM WALL PLATE

Mounting Screws & Two "O" Rings
for attaching Cable Risers supplied

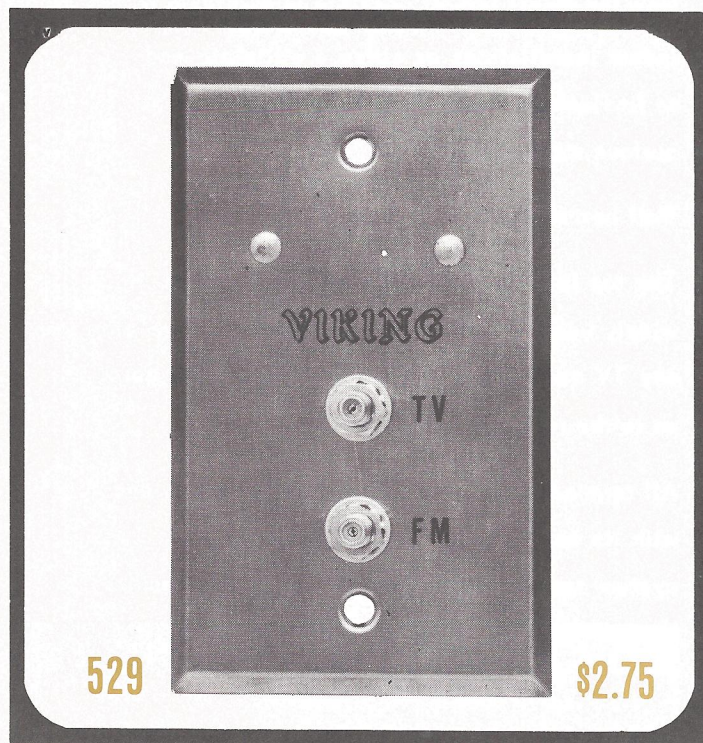
A SOLDERLESS TAP OFF OUTLET -

- Flush Mounts in Standard Electric Box
- High Strength Steel Construction
- Standard Size Face Plates
- Available with 10, 16, 24 db Isolation Values
- For use with all Type RG59U Cable
- Connectors: C Type in front
- Bracket fittings in back
- High Strength Steel
- Fits in Standard Electric Box
- Band Pass 2-13
- Low VSWR



COLOR PLATES AVAILABLE

- I - Painted Ivory
- SS - Stainless Steel



SPECIFICATIONS

FM BAND,	: 88-108 mc	DIMENSIONS	: 2" x 2" x 1"																				
TAP ATTENUATION	: 11 db	TV BAND	: 54-88, 174-216 mc																				
TAP RESPONSE	: ± 1.5 db.	TV ATTENUATOR ISOLATION CHARACTERISTICS AVAILABLE																					
TAP ISOLATION TO TV BANDS																							
low TV band	: 20 db																						
high TV band	: 24 db																						
INSERTION LOSS	: 0.4 db																						
FITTINGS,		CODE CHANNELS																					
		<table><tr><td></td><td>2</td><td>6</td><td>7</td><td>13</td></tr><tr><td>24</td><td>27 .05</td><td>24 .05</td><td>19 .10</td><td>17 .13</td></tr><tr><td>16</td><td>19 .11</td><td>16 .17</td><td>13 .36</td><td>11 .50</td></tr><tr><td>10</td><td>12 .27</td><td>10 .45</td><td>8 1.0</td><td>7 1.3</td></tr></table>			2	6	7	13	24	27 .05	24 .05	19 .10	17 .13	16	19 .11	16 .17	13 .36	11 .50	10	12 .27	10 .45	8 1.0	7 1.3
	2	6	7	13																			
24	27 .05	24 .05	19 .10	17 .13																			
16	19 .11	16 .17	13 .36	11 .50																			
10	12 .27	10 .45	8 1.0	7 1.3																			
	line : bracket and screw	ATTENUATION INSERTION LOSS																					
	taps : C																						



THE STANDARD OF THE CATV INDUSTRY

11/2/65

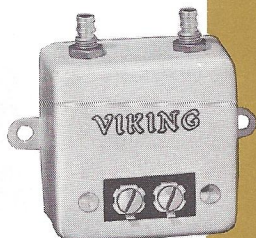
830 Monroe Street, Hoboken, New Jersey • Call Us Collect: New York: (212) WH 3-5793, Hoboken: (201) OL 6-2020

WIRE WU: WUX-JHB, HOBOKEN, N. J. Litho in U.S.A.

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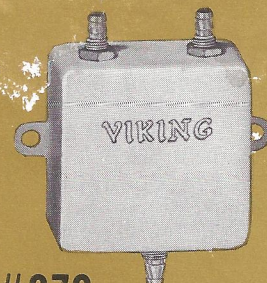
SURFACE MOUNTED TAP-OFFS



#971 \$2.10
72 - 300 ohm

- Indoor Metal Case
- Push-on Fittings
- Attenuation Values of 10, 16, 24, DB available
- For use with all types of 59U cables
- Band Pass ch 2- 13
- Excellent for color
- Cream Color

Capacitive AC-DC isolation



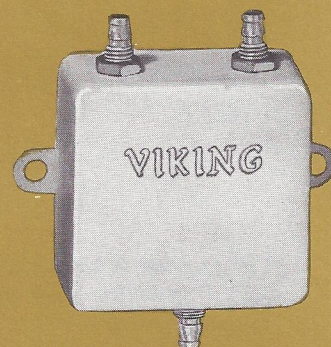
#972 \$2.10
72 - 72 ohms

- INDOOR METAL CASE
- PUSH-ON FITTINGS
- EXCELLENT FOR COLOR
- CREAM COLOR

FM TAP-OFF

SPECIFICATIONS

BANDWIDTH Thru line 0-220 MC
Tap. 88-108 MC, ± 1.5 db
ISOLATION FM band, 88-108 MC.: 11 db
TV band, 54-88MC.: 20 db
174-216 MC.: 24 db
INSERTION LOSS. FM band. 0.4 db
TV band. negligible
V.S.W.R. TV band. 1.15 max.
FITTINGS. Push-on
DIMENSIONS 2" x 2" x 1"
Capacitive AC-DC isolation



#977 \$3.00
72 - 72 ohm

PASSES ALL FREQUENCIES FROM 0 TO 220 MC, BUT TAPS OFF FM ONLY.

COMBINATION SWITCH AND MATCHING TRANSFORMER

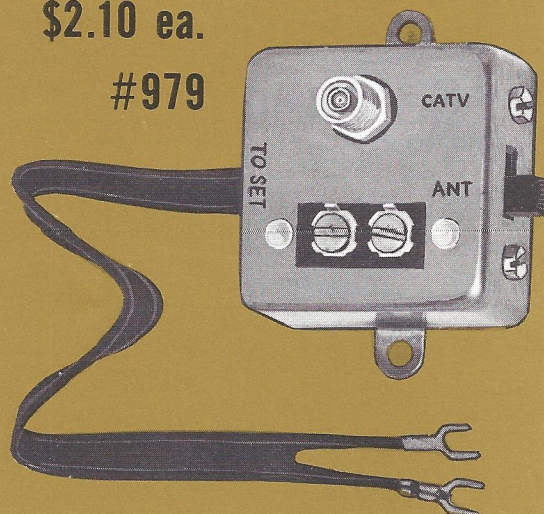
\$2.10 ea.

#979

SWITCHES
FROM DIRECT
FEED FOR HOME
ANTENNA (300 Ohms)
TO MATCHING
TRANSFORMER
FOR COMMUNITY
SYSTEM SIGNALS.

SPECIFICATIONS

Isolation between CATV and home inputs - 35 db min.
Insertion loss - Less than 1 db
V.S.W.R. - Less than 1.25:1
Full AC-DC isolation on community operation by Ferrite Transformer.



viking

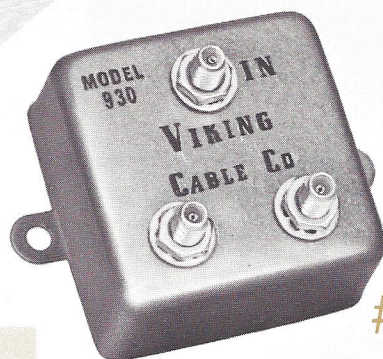
THE STANDARD OF THE CATV INDUSTRY

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WIRE WU: WUX-JHB, HOBOKEN, N. J. Litho in U.S.A. PLEASE INSERT THIS SHEET IN YOUR CATALOG



line splitters

SPECIFICATIONS	#930 2-WAY	#931 4-WAY
	Capacitive AC-DC isolation	Capacitive AC-DC isolation
FREQUENCY RANGE.....	50-220mc.....	50-220mc
IMPEDANCE.....	75 ohms, unbalanced.....	75 ohms, unbalanced
THRU LOSS.....	3.3 db.....	6.5 db
INPUT V.S.W.R.....	1.1 to 1.....	1.3:1
ISOLATION BETWEEN OUTPUTS.....	12 db	
DC AND AC ISOLATION BETWEEN INPUT AND OUTPUTS		
DIMENSIONS.....	2-3/4" W x 2" L x 3/8" H.....	2-3/4" W x 2" L x 1-7/8" H
FITTINGS.....	#930 ..C Type with Couplings & Ferrules.....	#931 ..C Type with Couplings & Ferrules
	#930 F. F Type Adapter.....	#931/F. F Type Adapter
PACKED.....	Individually ..	Individually



\$2.50

#930



\$5.00

#931

inline taps

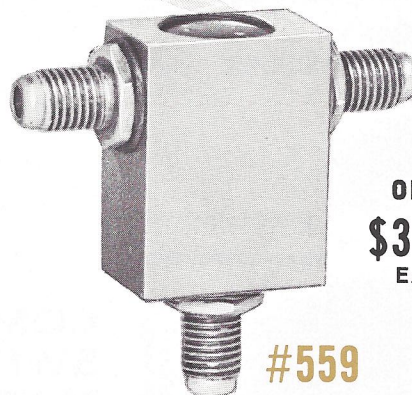
Line feed-thru compensated, 1.2 V.S.W.R. max.

Solderless surface mount non-corrosive Line Tap for 59/U feeders. Capacitive network permits use with low or high output amplifiers – complete with mounting bracket and "C" type connectors, color coded as per chart below. Terminate the last tap on a Feeder line with a #919 termination plug.

CODE	CHANNELS							
	2		6		7		13	
GD	41	.04	38	.04	32	.04	30	.04
W	34	.04	30	.04	26	.05	23	.05
R	27	.05	24	.05	19	.10	17	.13
Y	22	.06	19	.11	14	.25	12	.45
G	19	.11	16	.17	13	.36	11	.50
B	16	.16	14	.20	9	.91	8	1.1
BK	12	.27	10	.45	8	1.0	7	1.3

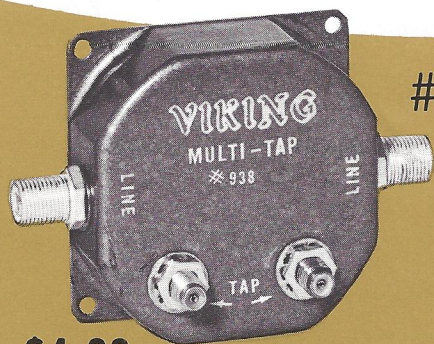
Attenuation

Insertion Loss



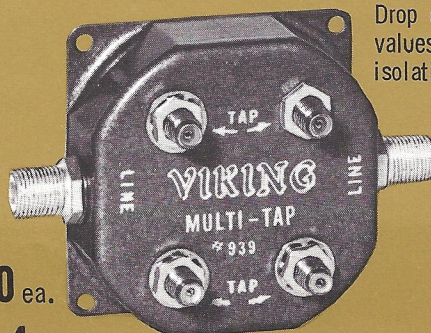
ONLY
\$3.00
EACH

#559



#938 2-way

\$4.00 ea.



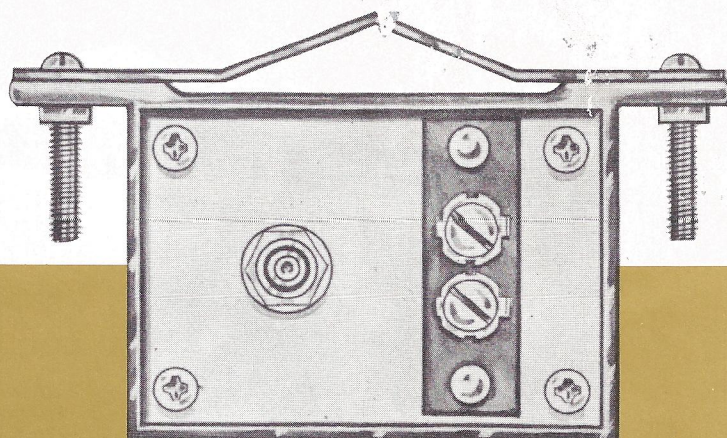
\$5.50 ea.
#939 4-way

For use in main distribution line of multiple installations to provide two or four drop lines or risers – transformer line taps – low loss networks. Flat frequency response, excellent match to "F" Fittings for RG 59/U cables. Drop connectors are "C" type. Available with isolation values of 12, 16, 20, 24 and 30 DB. Capacitive AC-DC isolation

BE SURE TO SPECIFY
DB VALUES
WHEN YOU ORDER



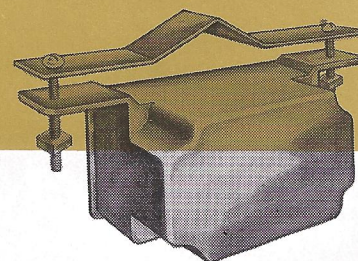
- PROVIDES AN EXCELLENT MATCH AND SIGNAL TRANSFER
- MAST OR INDOORS
- EASY MAST MOUNT
- EASY WALL MOUNT
- STRIPLESS 300 OHM TERMINALS
- WATER PROOF, ZINC CASE
- VIK-O-PROCESS PLATING FOR LONG LIFE AND TO PREVENT CORROSION PROBLEMS
- FULL 6 DB STEP UP
- LOW VSWR, 1.2., MAX.
- TRUE BALANCED TRANSFORMER CIRCUIT
- BAND PASS 2 - 13
- "F" CONNECTOR
- PACKED INDIVIDUALLY



72-300 OHM OUTDOOR BALUN

#934/F

\$2.25

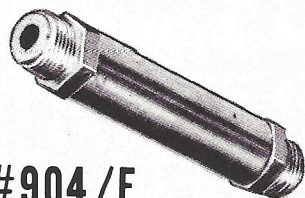
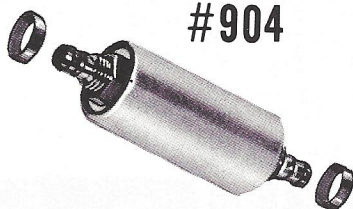


FIXED ATTENUATOR PADS



\$2.00 ea.

#904



#904/F

\$2.50 ea.

SPECIFICATIONS

	#904/F	#904
Attenuation values	3, 6, 10, 20 db (Specify when ordering)	3, 6, 10, 20 db (Specify when ordering)
V.S.W.R.	Less than 1.2:1, 0-220 m.c.s	
Impedance	75 OHM in and out	
Weight	2 oz.	2 oz.
Overall weight	2.5 oz.	2 oz.
Fittings	"F" Type with Coupling and O-Ferrules	Push-on Type

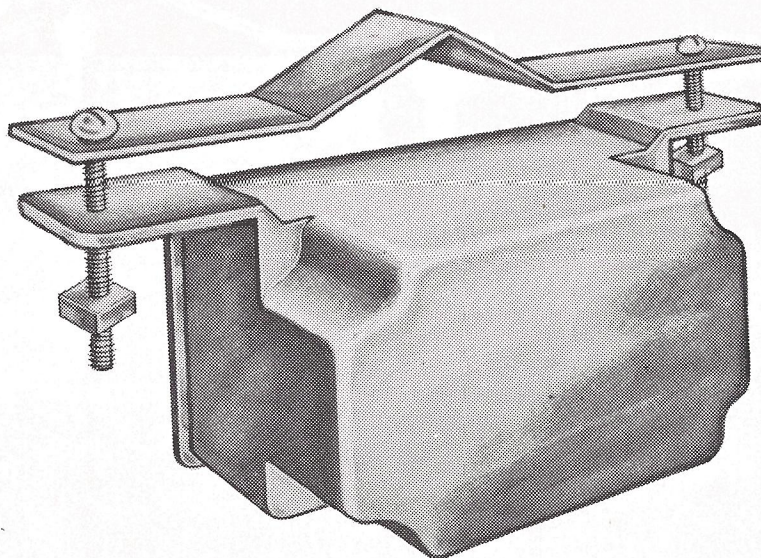


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vikings

outdoor couplers

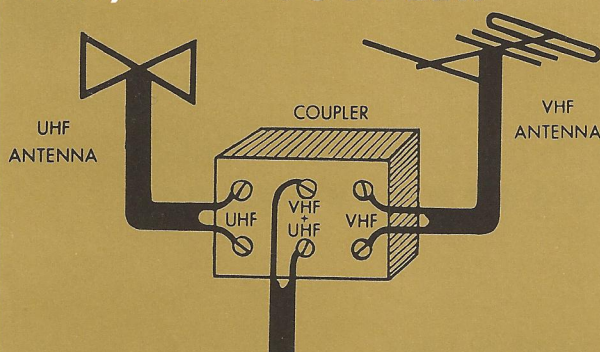


- COMBINES OR SEPARATES VHF AND UHF SIGNALS
- FOR E-Z MAST MOUNT OR WALL MOUNT USE
- VIK-O-PROCESS TO PREVENT ALL CORROSION ACTION
- WATER PROOF, ZINC CASE
- COMPLETE WITH NON-CORROSIVE BRACKETS
- ELIMINATES ONE DOWNLEAD

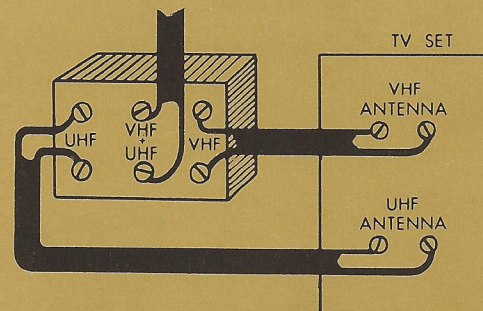
#970

\$2.00 ea.

UHF/VHF COUPLER



Combine UHF/VHF antenna leads into a single 300 ohm twin lead to TV set.

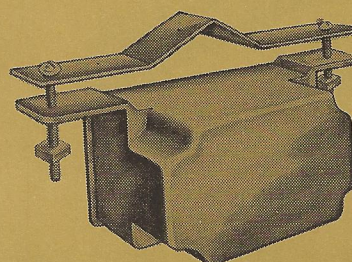


Separates UHF signals from the VHF signals from a single twin lead.

HI-LO ANTENNA & 300 OHM COUPLER

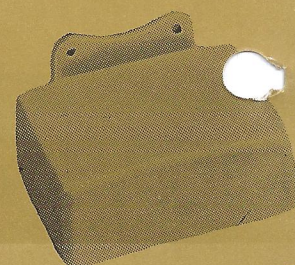
Made of die cast zinc which prevents radiation and acts as a regular shield to outside interference. It allows a maximum of signal transfer and a minimum loss. Completely weather-proof Vik-O-Process Plated for indoor and outdoor use. Also available in high impact plastic case.

- Complete with universal mounting bracket for flat surface or mast mounting
- Combines high band with low band antenna into one single 300 ohm lead
- Insertion loss less than 1 db
- Isolation between hi and lo bands more than 21 db min.
- Input: 300 OHM Output: 300 OHM



#989/M
Metal Case
\$2.00 ea.

#989/P
Plastic Case
\$1.80 ea.

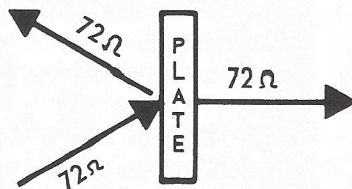
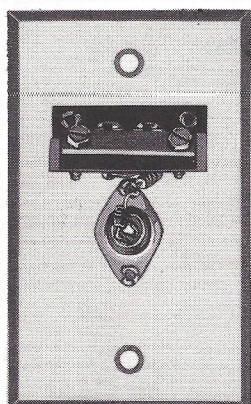
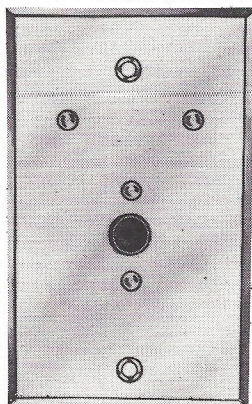


viking



72-72 OHM WALL PLATES

72-72 OHM FLUSH MOUNTED WALL PLATE - FEED THRU



COLOR PLATES AVAILABLE

- I - Painted Ivory
- B - Painted Brown
- SS - Stainless Steel

#917 ... \$1.65

BRACKET
FITTINGS

Capacitive
AC-DC isolation

- Auto plug supplied
- "C" fittings supplied
- Fits in standard Electric box
- High strength steel construction
- Bracket Back
- All screws, "O" rings & fittings supplied
- Ivory, brown and stainless steel plates
- Available in 10, 16, 24 db attenuations

**BE SURE TO SPECIFY ATTENUATOR VALUES
AND FACE PLATE COLOR SHOWN BELOW
WHEN YOU ORDER**

ATTENUATOR

ISOLATION CHARACTERISTICS FOR #912, #921 & #973

CODE	CHANNELS			
	2	6	7	13
24	28 0.05	24 0.05	17.5 0.13	17.5 0.13
16	20 0.11	16 0.17	11 0.50	11 0.50
10	13 0.26	10 0.45	7 1.3	7 1.3

Attenuation

Insertion Loss

#973 ..

\$1.65

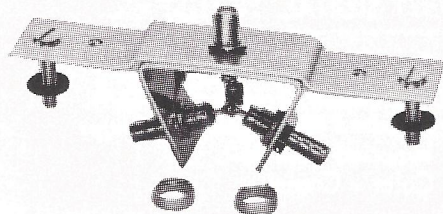
BRACKET
FITTINGS

72-72 OHM TAP-OFF

#912 ... \$1.45 - TAP ALONE

(Without Face Plate)

Capacitive AC-DC isolation



FACE PLATES ALONE

- #B (Brown)
- #I (Ivory)
- #SS (Stainless Steel)

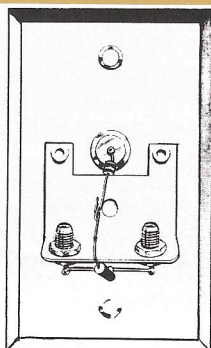
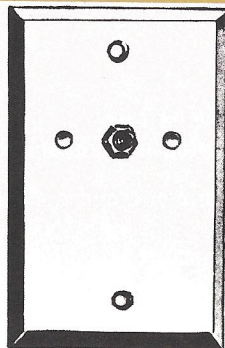
A SOLDERLESS TAP OFF OUTLET -

- Flush Mounts in Standard Electric Box
- High Strength Steel Construction
- Standard Size Face Plates
- For use with all Type RG59U Cable

Mounting Screws & Two "O" Rings for attaching Cable Risers

**BE SURE TO SPECIFY ATTENUATOR VALUES
AND FACE PLATE COLOR WHEN YOU ORDER**

72-72 OHM FLUSH MOUNTED WALL PLATE



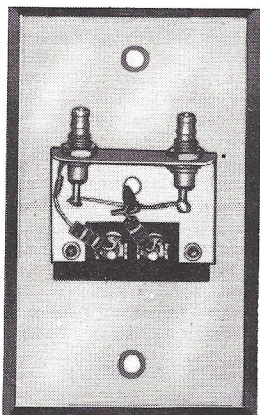
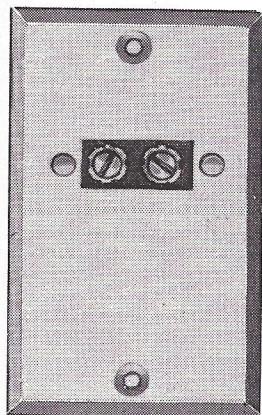
#914 ... \$1.65

Capacitive AC-DC isolation

- One 72 ohm, 17DB
- Isolated outlet from 75 ohm cable
- Connections: "C" Type
- COLOR - Ivory, Brown
- Packed 25 pieces to a carton



72-300 OHM FLUSH MOUNTED WALL PLATE

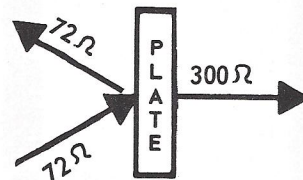


#921 PUSHON FITTINGS

A SOLDERLESS TAP OFF OUTLET -

- Flush Mounts in Standard Electric Box
- High Strength Steel Construction
- Standard Size Face Plates
- Available with 10, 16, 24db Isolation Values
- For use with all Type RG59U Cables
- Connectors: Bracket and Push on Type
- High Strength Steel
- Fits in Standard Electric Box
- Band Pass, ch. 2-13
- Low VSWR

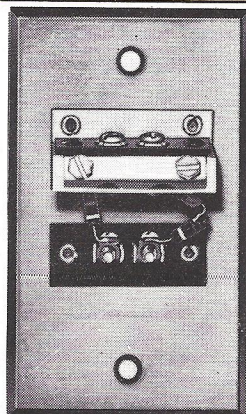
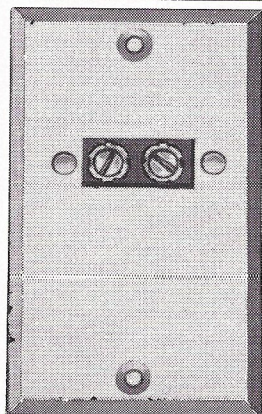
#921 - \$1.75



Capacitive AC-DC isolation

Mounting Screws & Two "O" Rings for attaching Cable Risers included.

BE SURE TO SPECIFY ATTENUATOR VALUES AND FACE PLATE COLOR WHEN YOU ORDER



#974 - \$1.65
BRACKET
FITTINGS

COLOR PLATES AVAILABLE

- I - Painted Ivory
- B - Painted Brown
- SS - Stainless Steel

ATTENUATOR ISOLATION CHARACTERISTICS FOR #912, #921 & #973

CODE	CHANNELS							
	2		6		7		13	
24	28	.05	24	.05	17.5	.13	17.5	.13
16	20	.11	16	.17	11	.50	11	.50
10	13	.26	10	.45	7	1.3	7	1.3

Attenuation

Insertion Loss

72-300 OHM WALL TYPE MATCHING TRANSFORMER

TERMINAL TYPE

EXCELLENT MATCH AND EFFICIENT SIGNAL TRANSFER.

- Full 6 db voltage step up.
- Featuring our new fully symmetrical true transformer circuit.
- No stray pickup or radiation.

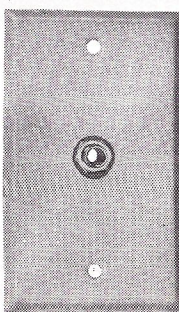
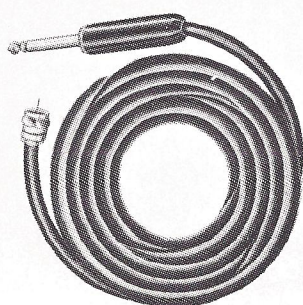
- Bandpass: Channels 2 - 13.
- Low V.S.W.R. (approx. 1.2-1).
- Standard RG59 coax connector supplied with unit.
- Color = Cream.

- Packed 25 to a Carton.

#913 - \$1.65

Capacitive AC-DC isolation

72-72 OHM TERMINATING WALL PLATE AND JACK



#978 - \$2.50

Flush mounted metal telephone cover with phone jack.
75 ohm resistor terminates line when phone plug is disconnected.
Includes 10 ft. of 59 U with mating plug on one end and a #906 (male "F") fitting on the other end. Cream color.

Capacitive AC-DC isolation

Packed 25 to a Carton.

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MESSENGER STRAND

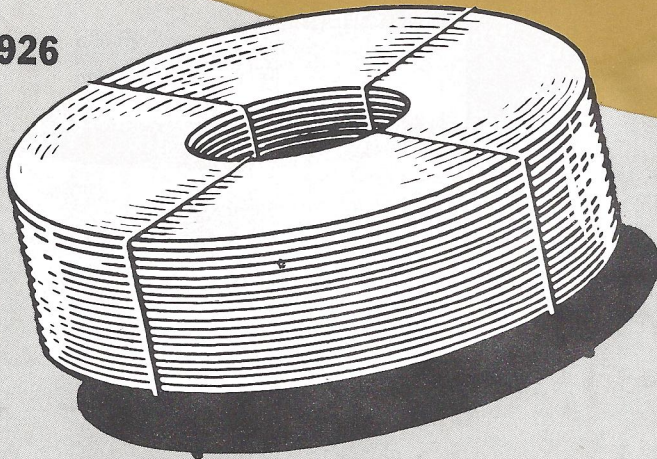
- 1/4 Inch High Strength Steel
- 7 Strands
- Grade A
- Double Galvanized
- 4750 Pound Test

SELLING PRICE	
Less than 25,000 ft.	\$32.95/M
25,000 ft. or more	\$28.65/M
100,000 ft. or more	less 5%

F.O.B. Shipping Point



#926



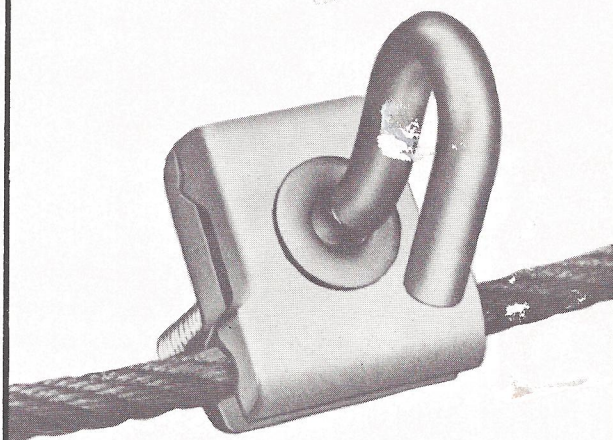
STAINLESS STEEL LASHING WIRE
\$5.95 per 1200 ft. roll

- .045 Diameter
- Type 430
- Wax Coated Finish
- Straight Core
- Put up on 1200 Foot Rolls
- 6 Rolls to a Shipping Carton

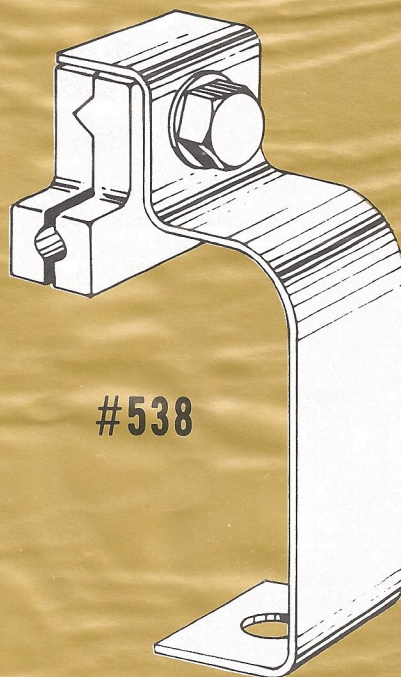
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THE STANDARD OF THE CATV INDUSTRY

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viking**accessories****NEW****#509****"C" SPAN CLAMP**

Excellent for attaching snubber grips to messenger cables where tap is not adequately supplied. Designed exclusively for the "growing system" that often has numerous drop lines from same area.

40¢ ea.**NEW****#538****HANGER
BRACKET**

The VIKING Auxiliary Hanger Brackets are designed for use with messenger mounted devices in CATV distribution systems where direct mounting on the messenger is difficult or impossible.

60¢ ea.**viking***Manufacturers of Quality Coaxial Cables and Television System Products***830 Monroe Street, Hoboken, New Jersey • Call Us Collect: New York: (212) WH 3-5793, Hoboken: (201) OL 6-2020**

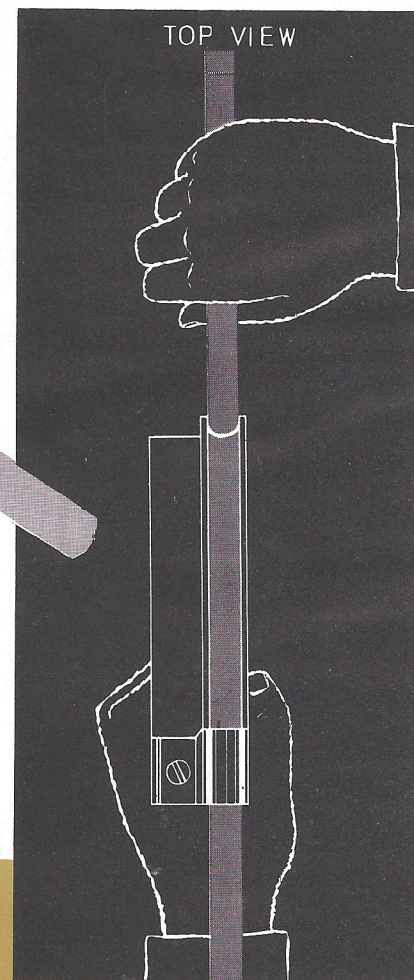
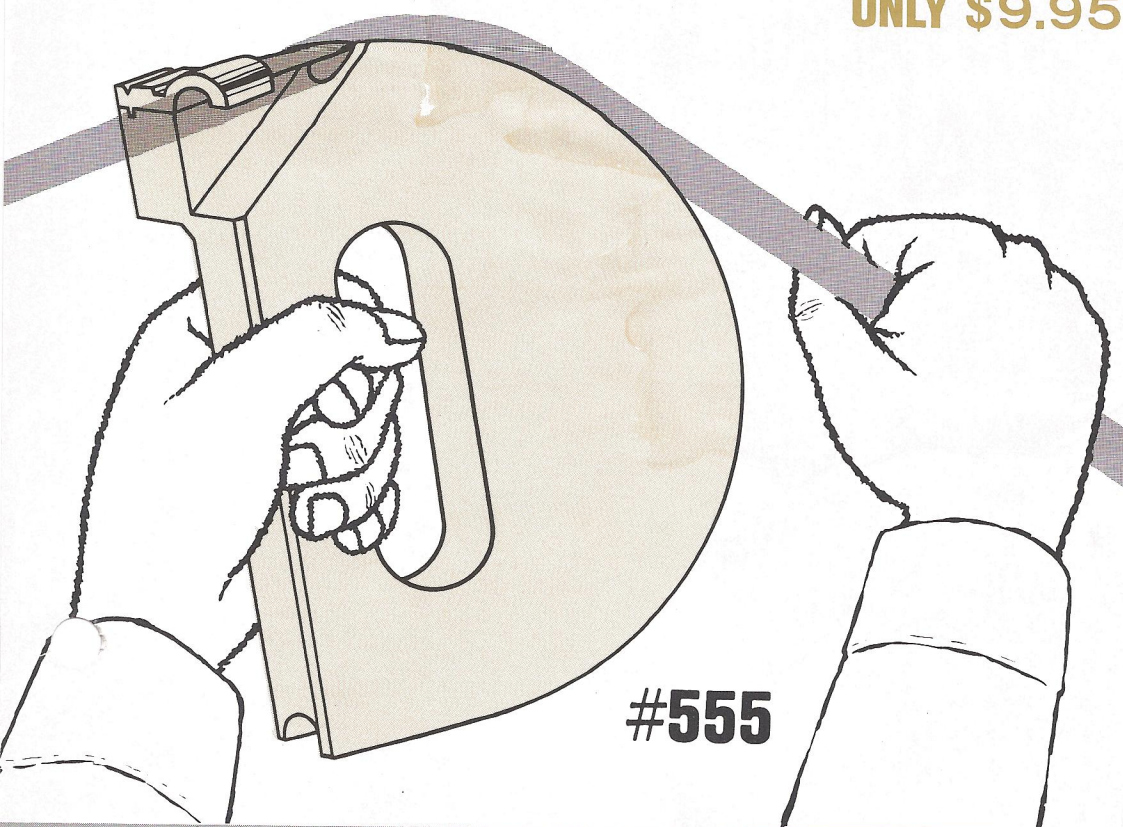
6/30/65 CABLE ADDRESS: JHB

Litho U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE AC-3

viking**accessories**

LOOP FORMING TOOL FOR ALUMINUM CABLE

ONLY \$9.95

made of hard oak

*grooved to
accommodate all
aluminum cables
up to 1/2" jackets o.d.*

light, easy to carry.

It is impossible to install aluminum cable without stressing it in some manner. It is the purpose of stress relief loops and loops at every point at which a cable is cut to add increased friction and to add into the specific length of cable a section which can act as a reservoir from which the aluminum can shrink and consequently reduce connector pull out. Another benefit of these loops is to provide clearance for hardware which might abrade the jacket.

In order to standardize the practices of aluminum cable usage, Viking has made available loop forming tools to insure that all stress relief loops are uniform size and to insure that they will offer a maximum protection against pullouts during extreme temperature changes.

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Manufacturers of Quality Coaxial Cables and Television System Products

830 Monroe Street, Hoboken, New Jersey ■ Call Us Collect: New York: (212) WH 3-5793, Hoboken: (201) OL 6-2020

4-1-65 CABLE: JHB

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE AC-4

viking



WITH FAN
INSTALLED*

NEW

ALL-WEATHER HOUSING UNITS

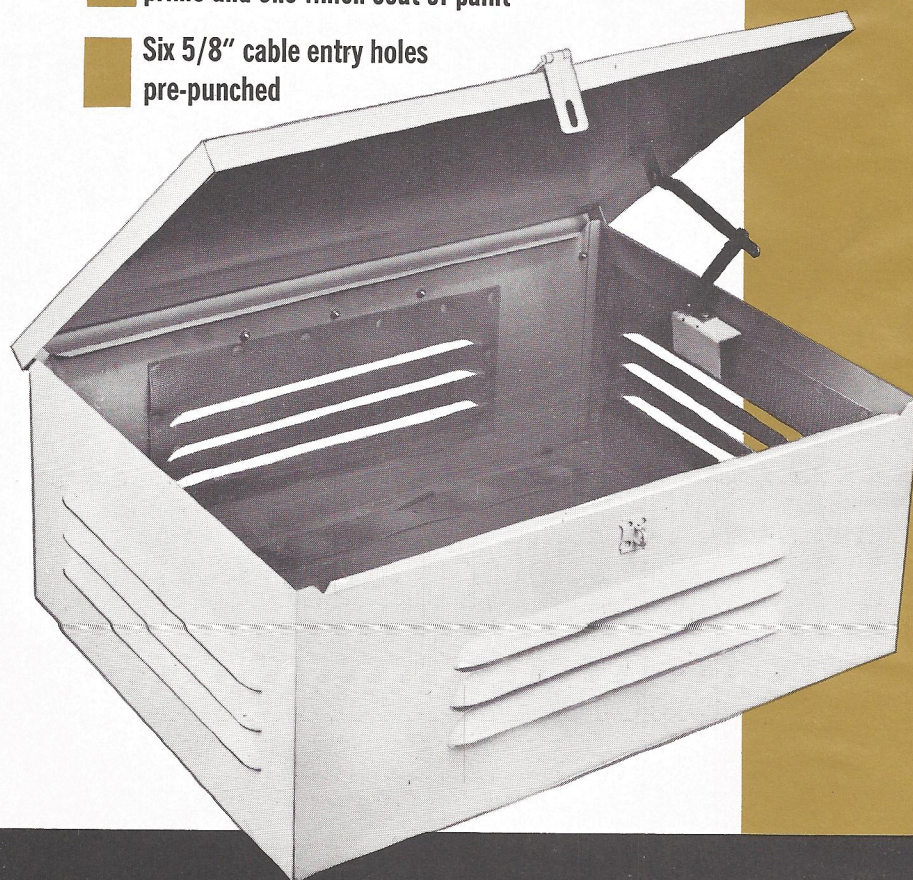
- Complete weatherproof protection
- Minimizes radiation leakage
- Ventilated, low temperature operation
- 18 gauge (.047) steel construction
- Louvers on 4 sides plus ventilation holes in bottom covered with galvanized screening
- Hinged cover with draw bolt catch closure
- Phosphate coated followed by one prime and one finish coat of paint
- Six 5/8" cable entry holes pre-punched



* **MODEL #569** \$59.00 each

OUTSIDE DIMENSIONS:
30" x 20" x 9-15/16"

Air passage under lid on ends and front; sunshield lid with Rotron Mfg. Co. muffin style ventura fan mounted with #13996 clips. Can be provided with thermostat to extend fan life and provide more even temperature.



MODEL #571 \$36.80 each

OUTSIDE DIMENSIONS:
30" x 20" x 9-15/16"

MODEL #570 \$35.50 each

OUTSIDE DIMENSIONS:
24" x 18-1/8" x 9-15/16"

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10/15/65

WIRE WU: WUX-JHB, HOBOKEN, N. J.

Litho in U.S.A.

PLEASE INSERT THIS SHEET IN YOUR CATALOGUE

AC-5

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accessories

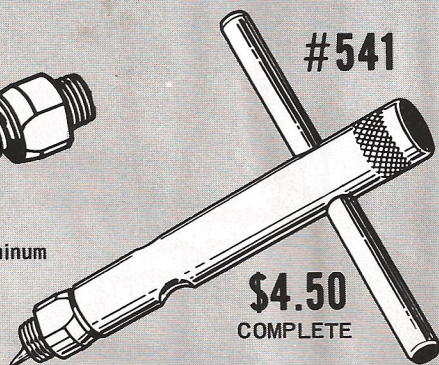
\$2.50



#542

Tip for Aluminum
Cables

#541



\$4.50
COMPLETE

CORING TOOL

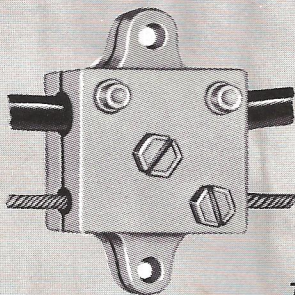
Expressly designed for all Viking Pressure Taps.
Tip will fit all blocks to core out any type cable.
For fast simple cable coring



#543

Tip for
Flexible
Cables

\$2.50

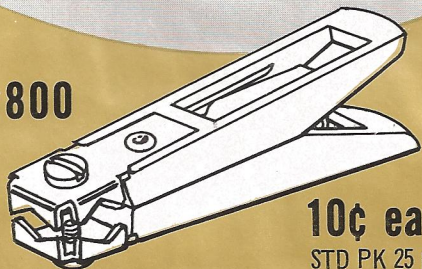


Vik-O-Process Plated to
prevent corrosion problems.
Stainless Steel pins
Simple installation
Protected installation
For RG59 Co axial
No coring or splicing required

#920 50¢

GROUNDING BLOCK

#800



10¢ ea.
STD PK 25 pcs.

ALLIGATOR CLIPS

Ideal for all service calls. A new rugged hi-impact plastic so tough it won't break when you step on it. Spring will not rust or lose its tension.

NEW

#539

This all aluminum Vik-O-Processed clip is designed to hold 59U to any spot permanently. Eliminate costly return calls due to accidental pull out of matching transformer. Keeps cable where you want it.



4¢ ea.
STD PK 50 pcs.

WIRE CLAMP FOR 59U CABLE

#908

\$2.25

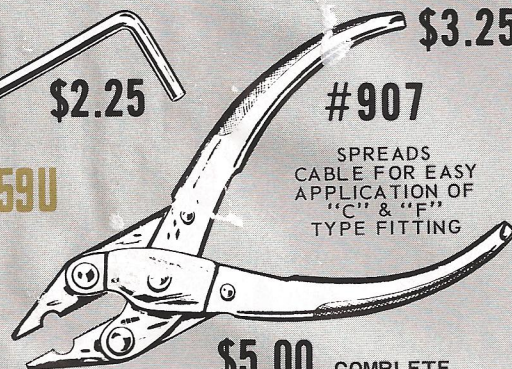
Put on 59U
Fittings
with
ease



\$3.25

#907

SPREADS
CABLE FOR EASY
APPLICATION OF
"C" & "F"
TYPE FITTING



\$5.00 COMPLETE

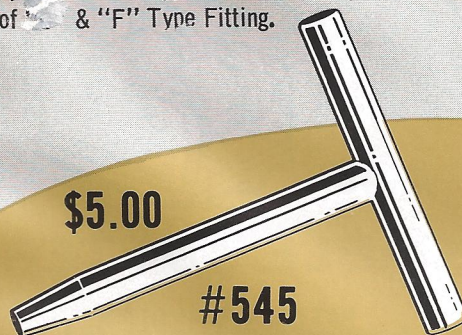
E-Z-SPREAD TOOL

NO STRUGGLE • NO WORK • NO TROUBLE

Spreads all 59U type Cables for easy Application
of "C" & "F" Type Fitting.

\$5.00

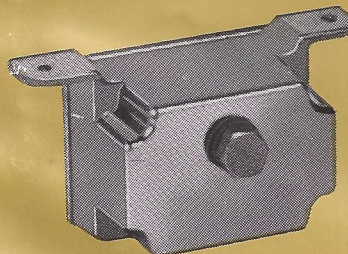
#545



NO STRUGGLE • NO WORK • NO TROUBLE

Spreads all corrugated copper cables (CF480) and Strip Braid cables (VK308) for E-Z-application of all fittings.

COPPAFLEX E-Z SPREAD TOOL



QUICK
DISCONNECT
BOX only

#989 \$1.50

Complete with 59/U splice fitting with 2 crimp rings.
Splice is made inside box and cover bolted on.
When splice is opened to disconnect customers' service, a wire seal may be put through the bolt to prevent tampering with disconnect.

Vik-O-Process plated to prevent corrosion problems.