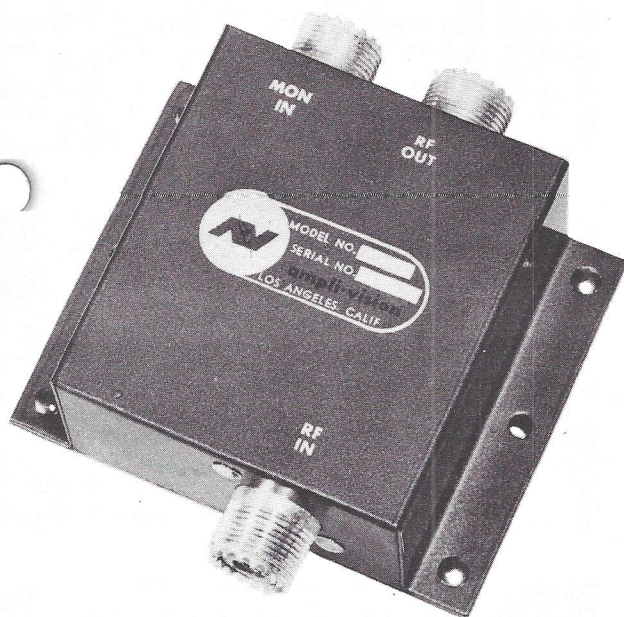


ampli-vision equalizers



ampli-vision

- * Designed to compensate for the increasing loss of signal on coaxial cable as frequency increases.
- * Maintain equal channel levels in VHF TV multichannel distribution systems.
- * Zero insertion loss at highest frequency of operation.
- * 75 ohm purely resistive input and output impedances throughout operating ranges.
- * A wide variety of models available to equalize various types and lengths of cable over different frequency ranges.
- * Monitor output provided for checking signal strength and picture quality without interrupting service.
- * Mount in AMPLI-VISION pole boxes.
- * Will not cause reflections or undesirable phase shift on lines.

An efficient television transmission and distribution system calls for several types of cable, each having its own inherent loss. This loss increases with frequency, and thus needs to be equalized at intervals along the cable.

To compensate for this uneven loss, an equalizer, selected for the type and the length of the cable, must be inserted into the cable run before the signal enters the next amplifier for further amplification.

The AMPLI-VISION Equalizer contains a monitor input jack for measuring the strengths of signals entering the amplifier station. Isolation between the line and this monitor input jack is 13 db. Use of the jack for measurement of signal strength does not affect service on the line in any way.

These equalizers have a purely resistive input and output impedance of 75 ohms through their operating ranges. This means that they will never cause reflections and undesirable phase shift on lines. Avoiding such phase shift is especially important with color TV.

SELECTING THE PROPER EQUALIZER — AMPLI-VISION Equalizers are available in three types for maximum efficiency in planning a TV distribution system. ELL Models are for use in systems carrying only the low-band VHF television channels. EL Models are for use in systems carrying the low-band TV channels and also the 88 to 108 mc. band for transmission of FM broadcast programs, or for locally originated television programs. EA Models are for use in systems carrying both the high and low television bands, and the 88-108 mc. band, or any portions of these bands.

By selecting the proper equalizer, based on the frequency range to be distributed, the number of line amplifiers required may be kept to a minimum. AMPLI-VISION equalizers have nominally zero insertion loss at the highest frequency for which they are designed to operate. By selecting equalizers that do not attempt to equalize for unused upper frequencies, insertion loss is less at operating frequencies, and thus fewer amplifiers are required.

ampli-vision cable equalizers

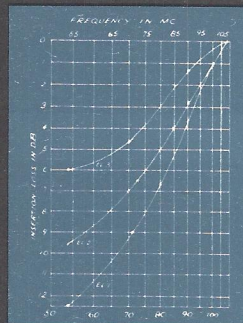
MODEL NUMBERS:

ELL-1	EL-1	EA-1
ELL-3	EL-2	EA-2
ELL-7	EL-3	EA-3
		EA-7



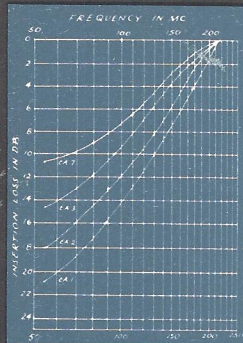
ELL SERIES — 54-88 MCS. — CHANNELS 2-6

MODEL NO.	TYPES AND LENGTHS OF CABLE			
	RG-11	K-14	RG-59	3/4" STYRO
ELL-1	1900 Ft.	4600 Ft.	950 Ft.	7200 Ft.
ELL-7	1400 Ft.	3400 Ft.	700 Ft.	5300 Ft.
ELL-3	950 Ft.	2300 Ft.	475 Ft.	3600 Ft.



EL SERIES — 54-108 MCS. — CHANNELS 2-FM

MODEL NO.	TYPES AND LENGTHS OF CABLE			
	RG-11	K-14	RG-59	3/4" STYRO
EL-1	1800 Ft.	4400 Ft.	900 Ft.	6800 Ft.
EL-2	1400 Ft.	3400 Ft.	700 Ft.	5300 Ft.
EL-3	850 Ft.	2050 Ft.	425 Ft.	3200 Ft.



EA SERIES — 54-216 MCS. — CHANNELS 2-13

MODEL NO.	TYPES AND LENGTHS OF CABLE			
	RG-11	K-14	RG-59	3/4" STYRO
EA-1	1200 Ft.	2900 Ft.	600 Ft.	4570 Ft.
EA-2	1000 Ft.	2420 Ft.	500 Ft.	3800 Ft.
EA-3	800 Ft.	1930 Ft.	400 Ft.	3050 Ft.
EA-7	600 Ft.	1450 Ft.	300 Ft.	2270 Ft.

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Matching other products in the AMPLI-VISION line of community TV system equipment, the Cable Equalizers have a Strato-blue finish of baked metallic enamel. When used outdoors, they should be placed in a weatherproof enclosure. Convenient provision has been made for mounting these equalizers in the AMPLI-VISION B-2 Pole Box.