

UHF COMBINER 8" TX

COMBINERS

The ARS low-loss combiner allows you to gather up to 6 transmitters on a single antenna or up to 8 transmitters on two antennas.

The system is supplied with a multicoupler that allows gather up to 8 receivers into a single antenna.

The multicoupler is equipped with a low-noise amplifier perfectly integrated with a high-selectivity, low-loss filter, then allowing greater sensitivity and better attenuation of noise and interfering signals.

The system used in conjunction with the antennas fixed ARS, allows to reduce the cost of renting space in the towers, the cost of antennas, the cost of coaxial cables, connectors and supports, in addition to reducing the mechanical load on the tower. As it is modular, the system can be expanded with standardized modules, thus allowing the inclusion of new repeaters.



Partnumber	Model	Range
525027	COMBINADOR 4:1 TX e RX 8"	360 / 400 MHz
525033	COMBINADOR 6:1 TX e RX 8"	360 / 400 MHz
525041	COMBINADOR 8:2 TX e RX 8"	360 / 400 MHz
525031	COMBINADOR 4:1 TX e RX 8"	430 / 470 MHz
525036	COMBINADOR 6:1 TX e RX 8"	430 / 470 MHz
525042	COMBINADOR 8:2 TX e RX 8"	430 / 470 MHz

MECHANICAL SPECIFICATIONS	
Weight of the set	30 Kg
Installation standard	19" rack
Rack dimensions (A x L x C)	1750 x 560 x 440 mm
Equipment dimensions (A x L x C)	440 x 525 x 430 mm
Operating temperature	0~60°C

ELETRICAL SPECIFICATIONS	
Ingress power per channel	100 Watts intermittent or 70 Watts continuous
Nominal impedance	50 Ω
VSWR	$\leq 1,5:1$
Insertion loss	Max 4.5dB (spacing ≥ 500 KHz)
Cavity	High selectivity 8" coaxial cavity
Combiner connectors	N female (input and output)
Insulator	Double stage ferrite circulators
Minimum spacing	≥ 500 KHz (smaller values upon request)
Multicoupler connectors	BNC female (output) / N female (input)

* Information based on code 525036.