

These coaxial devices, usually consisting of one six-port patch panel, three u-links and one divider, are widely utilized with antenna systems fed by two feeder lines.

The mentioned elements are presented in a unitised frame, and properly interconnected to enable the three different operative configurations of the antenna system, with the adequate combination of the U-links: either the total system working or each of the two half sections separately.

An extra port is frequently supplied at the patch panel to add extra possibilities, as for example the use of a test load and the switch to a spare antenna system.

The divider can be either a power splitter or a 3 dB hybrid coupler with a balance load. Indoor and outdoor models are available.

## Electrical Specifications

Impedance		50 Ohm
Frequency range and bandwidth		See models table
VSWR	TV VHF & FM	< 1.05:1
	TV UHF	< 1.10:1 (A1+A2) < 1.07:1 (A1, A2)
Insertion loss		< 0.1 dB
Amplitude split		- 3 +/- 0.2 dB
Phase split	Splitter models	0° +/- 2°
	Coupler models	90° +/- 2°
Input/outputs connectors		EIA 1 5/8", 3 1/8", 4 1/2" unflanged male EIA 6 1/8" unflanged female EIA 9 3/16" flanged male
Maximum power handling		According to line size
Pressurization		No

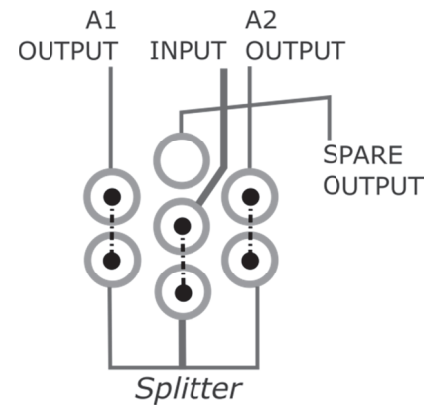


## Mechanical & Environmental Specifications

Materials	Outer conductor	Aluminium and brass
	Inner conductor	Silver plated aluminium and copper
	Isolators	PTFE
	Finishing	Nickel and chromitized plating and long lasting black paint
	Screws	Stainless steel
Temperature range		-10°C to + 50°C

## Models

Frequency Range	Number of Ports	Coaxial Size EIA 1 5/8"	Coaxial Size EIA 3 1/8"	Coaxial Size IEC 4 1/2"	Coaxial Size EIA 6 1/8"	Coaxial Size EIA 9 3/16"
TV VHF BI (1)	6	CC11-031	CC11-061	CC11-041	CC11-081	----
TV VHF BI (1)	7	CC11-032	CC11-062	CC11-042	CC11-082	----
FM BII	6	CC12-031	CC12-061	CC12-041	CC12-081	----
FM BII	6	----	----	----	----	CC12-0A6
FM BII	7	CC12-032	CC12-062	CC12-042	CC12-082	----
TV VHF BIII	6	CC13-031	CC13-061	CC13-041	CC13-081	----
TV VHF BIII	7	CC13-032	CC13-062	CC13-042	CC13-082	----
DAB VHF BIII	6	CC14-031	CC14-061	CC14-041	CC14-081	----
DAB VHF BIII	7	CC14-032	CC14-062	CC14-042	CC14-082	----
TV UHF BIV-V	6	CC15-031	CC15-061	CC15-041	----	----
TV UHF BIV-V	7	CC15-032	CC15-062	CC15-042	----	----
470-806 MHz	6	----	----	----	CC15-081	----
470-806 MHz	7	----	----	----	CC15-082	----



PATCH PANEL / DIVIDER CONFIGURATION

NOTE (1): Frequency range of TV VHF Band I models can be either the full working band or reduced sub-bands

## Optional Accessories

Directional couplers at inputs and outputs	1 5/8"	AC15-000
	3 1/8"	AC15-022
	4 1/2"	AC15-024
	6 1/8"	AC15-026
Inputs and outputs vertically placed	1 5/8"	CD22-010
	3 1/8"	CD24-010
	4 1/2"	CD30-010
	6 1/8"	CD26-200
	9 3/16"	CD40-400
Adapters at inputs and outputs	See indoor adapters page 150 for more information	