

CAT TV Panel

Active distribution panel, up to 862 MHz,
for the distribution of CATV signals



Power adapter for CAT TV Panel

CAT TV Panel

Description

The CAT TV Panel is an active distribution panel that converts CATV signals (coaxial / 75 ohm) into a balanced signal (symmetrical / 100 ohm) for transmission over structured premises cabling. It can be operated with a reverse channel*. The CAT TV Balun which is connected close to the TV and/or radio reconverts the signal to coaxial / 75 ohm. It is possible to simultaneously distribute TV and telephone services over one and the same cable. Digital video broadcast programs over cable (DVB-C) can be also transmitted. For reception a DVB-C receiver is necessary that is integrated in the end-user device or a set top box must be connected. Satellite programs can also be transmitted by using the head-end station and by transforming the signals into a frequency channel of the CATV frequency range.

Application

For the distribution of CATV signals over structured premises cabling.

General Properties

Housing	metal
Input 1	F-type jack, 75 ohm (on the rear side)
Input 2	Interface input, 15 pin D-type
Link length	10 - 90 m, adjustable for LAN, dependent on the type of data cable
Measurement connection	1x F-type jack, 75 ohm, for data/backward channel

Electrical properties

EMC	EN 50083-8, EN 55022-B
Maximal equalization	12 dB
Maximum signal level	83 dB μ V
Minimum signal level	70 dB μ V
Power supply	from an external power supply (adapter included)

Note

* For operating a reverse channel it is necessary to install a filter module and an amplifier in the CAT TV panel and to deploy a CAT TV Balun with reverse channel.

Versions

Material number	Product	Outer dimensions	Frequency range backward	Frequency range forward	Weight [kg]
1411770	CAT TV Panel set, 12 ports, with power adapter, without backward channel	1 U	without or (optional) with backward channel 5 - 65 MHz	45 (85) - 862 MHz	3.58 kg
417824	Power adapter for CAT TV Panel	1 U			0.05 kg