

APM-SERIES

Teleste

MULTIMEDIA OUTLETS

MULTIMEDIA OUTLETS FOR NEW INTERACTIVE CATV NETWORKS.

New interactive services in CATV networks require reliable, high quality passives. During the design phase a particular attention was paid to meet the requirements for isolation between the data and TV/Radio connections.

The APM series of multimedia outlets from Teleste offers a range of technical and mechanical features. The frequency range covers 5 MHz to 1000 MHz with excellent screening. Superior design of the housing enables easy installation.



All the outlets are supplied with a F-terminator. The terminator must be attached if the DATA-output is not used.

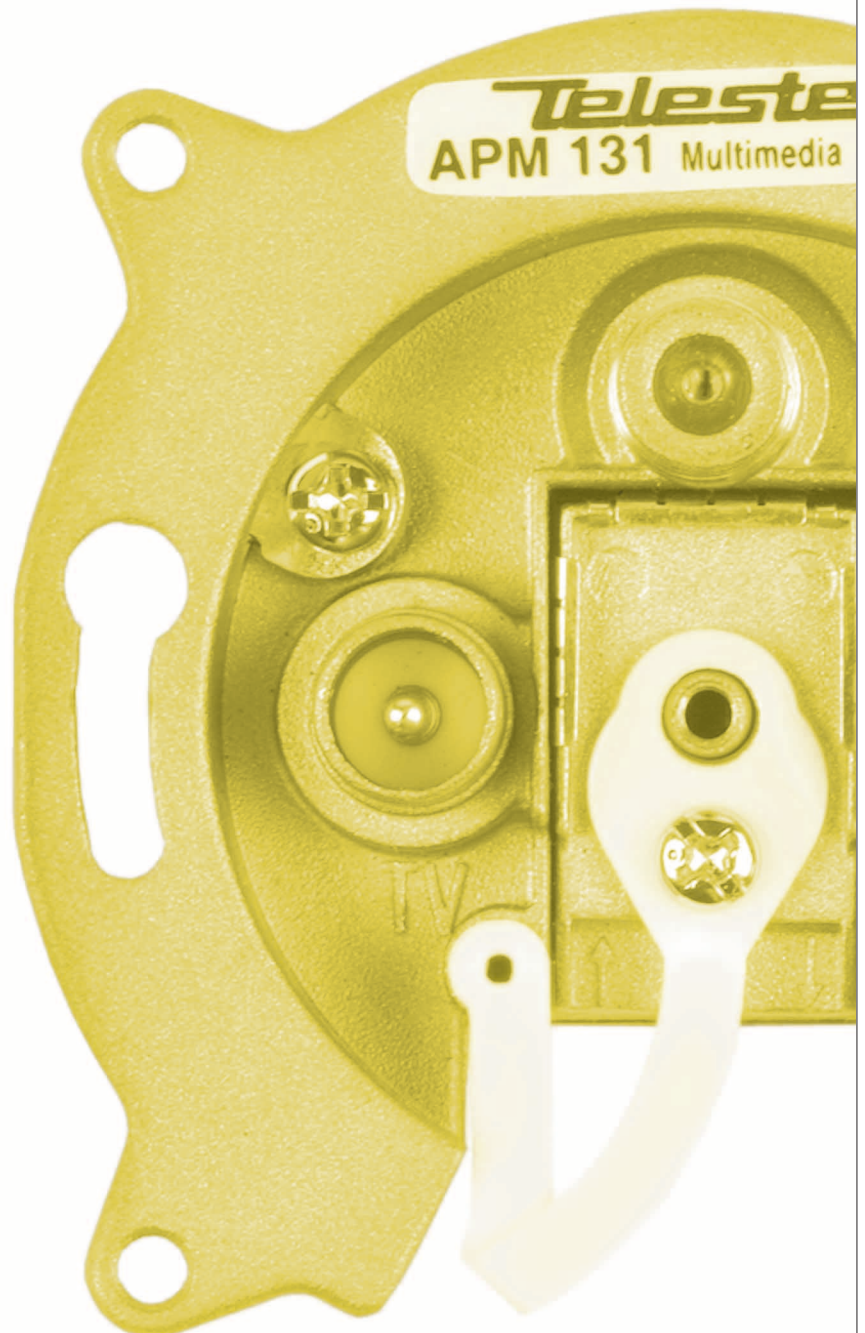
Output connectors are according to IEC standard.

The cable cover turns fully away making installation and maintenance easy.

The transparency of the cable clamp makes coaxial cable's inner conductor installation simple.

A pair of installation pieces are preinstalled, by means of which the outlet may be installed when securing lugs are not used.

The type of the outlet is identified by means of colour code. The code is visible in all installations.



APM-SERIES

TECHNICAL SPECIFICATIONS

MULTIMEDIA OUTLETS

FEATURES AND BENEFITS

Intended for use with networks utilising new digital services with e.g. cable modems or set top boxes

Blocks effectively ingress noise leaking into the network

High performance system values

Frequency range up to 1000 MHz

Screening effectiveness according to the CENELEC standard, class A

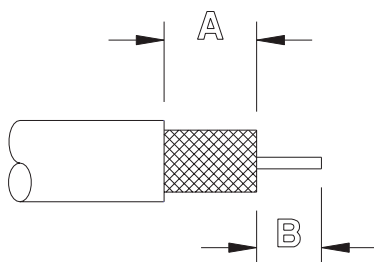
Superior design of the housing ensures fast and easy installation

All outlets are colour coded - easy to identify correct outlet type

ACCESSORIES

APC001	cover plate, 48 x 48 mm, white
APC002	cover plate, 70 x 70 mm, white
APC003	cover plate, 85 x 85 mm, white
APC013	surface mount box, white includes coverplate APC003
APV750	termination resistor, diameter 5 mm
APV752	termination resistor, diameter 4 mm

CABLE DIMENSIONS



A 10 mm
B 7 mm

Peeling dimensions for the coaxial cable.
The diameter of the cable may vary between 3 to 6 mm.

Attenuation typical (dB)	Frequency range (MHz)	APM101	APM131	APM151	APM171
IN-TV	5...25	50	50	50	50
	25...40	30	31	32	33
	47...68	10	13	15	17
	125...1000	10	13	15	17
IN-R	5...25	50	50	50	50
	25...40	30	30	30	30
	87.5...108	10	13	15	17
IN-DATA	5...1000	11	14	16	18
Insertion loss max. (dB)	Frequency range (MHz)	APM101	APM131	APM151	APM171
IN/OUT	5...1000	2.5	1.9	1.9	1.9
Return loss min. (dB)	Frequency range (MHz)	APM101	APM131	APM151	APM171
IN/OUT	5...40	18	18	18	18
	40...1000	18*)	18*)	18*)	18*)
TV	47...68	14	14	14	14
	125...1000	15	15	15	14
R	87.5...108	10	10	10	10
DATA	5...40	16	16	16	16
	40...1000	14*)	14*)	14*)	14*)
Directivity min. (dB)	Frequency range (MHz)	APM101	APM131	APM151	APM171
5...40	5...40	10	10	10	10
	40...1000	18*)	18*)	18*)	18*)
Isolation min. (dB)	Frequency range (MHz)	APM101	APM131	APM151	APM171
TV – TV	47...470	42	47	48	55
	470...1000	35	45	45	48
DATA – TV/R	5...65	42	48	45	50
	65...1000	30	30	32	32
Colour Code		Blue	White	Red	Yellow
Screening effectiveness (dB)				85	
5...470					
470...1000				75	
Impedance (nominal)				75 ohm	
Connectors					
TV				IEC male	
Data				F female (F-terminator included)	
R				IEC female	

* = 40 MHz-1.5 dB/octave, (min. 10 dB)

Screening effectiveness complies to the CENELEC standard EN50083-2, class A

TELESTE BROADBAND CABLE NETWORKS

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