

Indoor RF passives

Semi Isolated System Outlets **X10-SERIES**

The X10-series of products allow fitting of existing cables into unique clamping mechanisms mounted in modular solutions and wall boxes. The range consists of various RF connectors, data sockets, frames and covers to allow fitting in mounting frames from various modular cabling system suppliers.

Key features

- Frequency range: 5 - 2000 MHz
- Outstanding RF performance
- Class A+ screening effectiveness (+10dB)
- Modular outlet system
- Integrated frames and covers for wall mounting systems
- Ultra low leakage current
- All contacts White Bronze plated



One of Teleste's unique and award winning superior performance passives designed for easy installation and reliability.

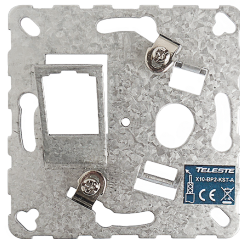
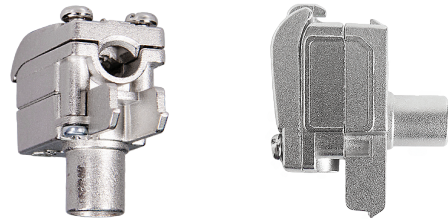
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X10-SERIES MODULAR WALL OUTLET SOLUTIONS

The Teleste X10-OM-IM (M) system is designed for mounting into modular wall outlet systems such as those supplied by Niko, Eljo, Elko and others. Utilising the modular approach, Teleste have designed unique RF wall outlet and Keystone Jack solutions which fit quickly and neatly into these modular wall outlet systems, providing versatile and efficient wall outlet solutions. In addition the X10-OM-IM (M) solutions can be mounted in traditional wall box solutions and fitted with an overall Cover Plate (X10-CP2-KST-A).

X10-OM-IM and X10-OM-IM-M

These are RF outlets which allow the fitting of existing cables into a unique clamping mechanism. The X10-OM-IM allows the fitting of normal coaxial cable and the X10-OM-IM-M allows the fitting of miniature coaxial cable. These unique mechanisms mean that existing installed coaxial cables can easily be turned into RF wall outlets without having to replace the coaxial cable or fitting it with a connector.

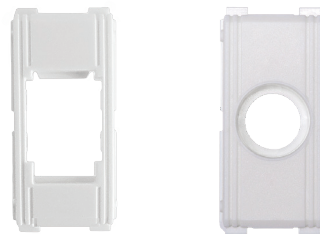


X10-BP2-KST-A

A metal backplate which secures the X10-OM-IM (M) and Keystone Jacks in place and allows them to be mounted on existing standard wall boxes. The X10-OM-IM or X10-OM-IM-M can easily be mounted first onto the cable and then clicked into the metal back plate X10-BP2-KST-A.

X10-CF-01 and X10-CF-KST

Small plastic Covers Frames designed to fit over the X10-OM-IM (M) and Keystone jacks respectively. These can be clipped into modular mounting systems to secure them in place.



X10-CF-KST

X10-CF-01

X10-CP2-KST-A

A plastic Cover Plate designed to fit over the X10-OM-IM (M) and Keystone Jack when fitted into a standard wall box, utilising the metal backplate X10-BP2-KST-A.



X10-series modular options include:

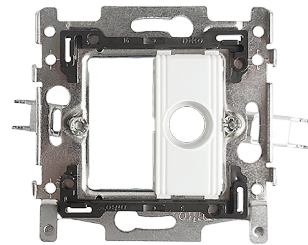
- RF wall outlet module
- Standard and miniature coax options
- RF wall outlet covers
- Keystone jack and covers
- Mounting backplates
- Plastic coverplates



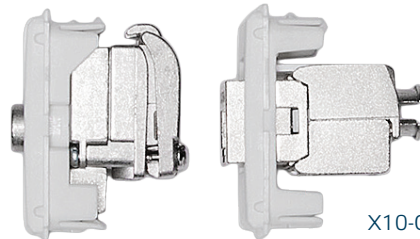
Teleste products mounted in base plate on wall box

Teleste products mounted in Modular Wall systems

Teleste's unique range of products can easily be fitted into modular wall systems supplied by manufacturers such as Niko, Eljo and Elko. Teleste can design their solution parts to fit other manufacturers systems as required.



Niko Frame



X10-CF-01

X10-CF-KST

Teleste products mounted in standard wall boxes

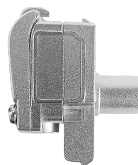
Teleste's unique range of products can easily be mounted in standard wall boxes as required.



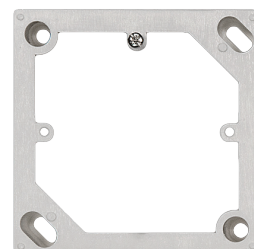
X10-CP2-KST-A



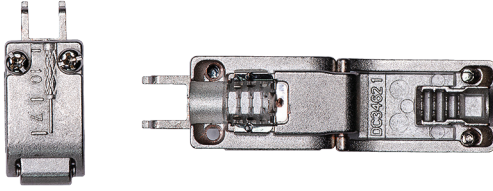
X10-OM-IM-M



Standard Wall Box



X10-SERIES RANGE / NEXT GENERATION MODULAR SOLUTIONS

ELECTRICAL SPECIFICATIONS				
INSERTION LOSS (dB)			RETURN LOSS (Min. dB)	
Frequency (MHz) IN > OUT	Typ. (dB)	Max. (dB)	Frequency (MHz) Input and Output	
5 - 470	0.2	0.4	5 - 18	18
470 - 1006	0.3	0.5	18 - 1218	22 ⁽¹⁾
1006 - 1218	0.5	0.7	1218 - 1794	15
1218 - 1794	0.6	0.8	1794 - 2000	13
1794 - 2000	0.7	1.0		
ELECTROMAGNETIC COMPATIBILITY (Min. dB) ⁽²⁾				
Frequency (MHz)				
5 - 300		95		
300 - 470		90		
470 - 950		75		
950 - 1218		70		
1218 - 2000		70		
GENERAL SPECIFICATION				
Intermodulation f1 + f2 (dBc Min.)	125 ⁽³⁾ 125 ⁽⁴⁾		Surge immunity	1 kV, 1,2/50µs ⁽⁶⁾
Safety Isolation 2120 VDC	Inner conductor Input to inner conductor Output			Leakage current ≤ 0.7 mA, ≥ 1 minute ⁽⁵⁾
Safety Isolation 230VAC RMS, 50/60 Hz	Inner conductor Input to inner conductor Output			Leakage current ≤ 8.0 mA RMS ⁽⁵⁾
Housing and cable-clamp	Material/plating			Zinc/White Bronze
Connectors	Input/output Input spring, material/plating IEC-male pin ⁽⁷⁾ , material/plating			Cable Clamp/IEC-male Beryllium Copper/White Bronze Brass/White Bronze
Frequency range	5 -2000 MHz		Nominal impedance	75 ohm
Dimensions X10-OM-IM	38,3 x 31,8 x 16,9 mm (L x W x H)		Weight	34 gram
Operating temp. range	5° C to +55 °C		Product approval	CE
EMC compatibility	EN 50083-2, 2012		Inner conductor spring resilience	>115 gram at 0.7 mm test pin
NOTES				
(1)	F > 40 MHz -1.5 dB/Oct.			
(2)	Class A, according to IEC 60728-2 2012, EMC.			
(3)	Out of the box.			
(4)	Two carriers (60 & 65 MHz), applied to the output port, @120dBµV. Measured after 1 pulse 1kV (1,2/50µS) applied to the output port. In accordance with IEC 60728-4.			
(5)	According to IEC-60728-11 2007, Safety.			
(6)	Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port.			
(7)	Dimensions in accordance with IEC 61169-2.			
ORDERING INFORMATION				
X10-OM-IM	Extender Outlet Module, IEC Male			
X10-OM-IM-M	Extender Outlet Module, IEC Male, Mini Cable			
X10-BP2-KST-A	Extender Base Plate for X10-OM-IM Modules and Keystone Jack			
X10-CF-01	Extender Cover Frame for X10-OM-IM Modules			
X10-CF-KST	Extender Cover Frame for Keystone Jack			
X10-CP2-KST-A	Extender Cover Plate for X10-OM-IM Modules and Keystone Jack			

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