CLBx-y
CLNx-y
CLUx-y
CLFx-y
CLTx-y

COAXIAL LAN AND CCTV

Novaris Coaxial LAN and CCTV protectors are suited to thin Ethernet, thick Ethernet as well as security and CCTV applications.

All Mode Protection

There are two ways that a transient can cause damage to electronic equipment. Firstly, a transient appearing between the inner conductor of a coaxial cable and its screen. Secondly, an overvoltage may appear between the cable's screen and the terminal's frame ground. Novaris LAN / video coaxial protectors provide protection for both potentially damaging overvoltages.

Multistage Protection

Each unit consists of multistage protection that incorporates a gas-filled surge arrester in combination with a fast transient suppression circuit between the line and coaxial screen. A low capacitance gas-filled surge arrester is connected between the cable screen and frame ground via a yellow/green flying lead for applications where the screen is not directly connected to ground.

Surge Current Fusing

Surge current fuses allow components to absorb maximum energy but in the event of a component failure the fuse will open to isolate the damaged component.

Safe Metal Enclosure

Novaris surge protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

- All mode protection
- Multistage protection
- Surge current fusing
- Safe metal enclosure

Ordering Options

CL x y - z

x =	**Connector type:**	
	BNC	**B**
	N Type	**N**
	UHF	**U**
	F Type	**F**
	TNC	**T**
y =	**Gender of connectors:**	
	Male/female	**12**
	Female/female	**22**
z =	**Clamping voltage:**	**10**

(alternative clamping voltages available on request)

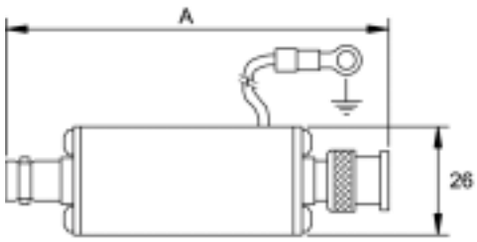
e.g. CLB12-10

Let-Through Voltage Performance

As specified in the latest international standard on lightning protection for telecommunications, IEC61663-2:2001, Novaris data line protectors employ a spark gap for screen to earth protection. The spark gap that Novaris has selected for this role is a low capacitance gas filled surge arrester of the highest quality. It allows for 5kV 10/700ms let-through voltages of less than 350V for line to earth and screen to earth modes.

Test waveform to relevant standards	All Models
5kV 10/700ms open circuit voltage ITU *(formerly CCITT)* IX K17 BS 6651:1999 location category C- high	L-S: 14,0

Dimensions



CLB12-10

Max length (mm)	A
CLB12-10	89
CLB22-10	86
CLN12-10	90
CLN22-10	87
CLU22-10	82
CLF12-10	105
CLF22-10	88
CLT12-10	89
CLT22-10	86

Complete Protection

When protecting Coaxial LAN and CCTV systems it is vitally important to remember that protection is also required for the incoming power lines. Novaris is able to offer a comprehensive range of surge filters from 2A to 2000A per phase.

Surge filters provide highly reliable and effective surge protection for even the most sensitive electrical and electronic equipment. For further details on the full Novaris range of surge filters please contact Novaris or visit our web site at www.novaris.com.au.

Specifications

Description:	LAN / video coaxial protector
Protection modes:	Transverse & common modes
Connection type:	Series
Protection stages:	2
Maximum working voltage:	8.2V
Working temperature:	-40 → 85°C
Working humidity:	0 → 90%
Peak surge handling per mode (8/20µs):	20kA
Let-through voltage for 5kV 10/700µs pulse:	14V
Standards compliance:	ITU (CCITT) IX K17 AS1768-2003 cat. A, B, C BS6651-1992 cat. C - High CP33-1996 cat. A, B, C IEC61643-21 UL497B
Insertion loss:	< 1dB at 20MHz
Cable impedance:	Suitable for 50 and 75 ohm systems
Maximum data rate:	20Mb/s
Weight:	100g (maximum)

Distributed by:

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