



Surge Protection Devices for Cable TV Networks

Cable TV's, Antenna cables, satellite and antennas are directly exposed to atmospheric discharge. They have excellent electromagnetic compatibility but the risk of surge voltage coupling is not completely eliminated. Due to the effects of direct or indirect lightning strikes, surge generated and can easily travels through widely exposed cable TV/antennas or satellites. These expensive devices are highly sensitive to surges and get damaged easily if the protection has been ignored. Cable TV Surge protection devices are the prime requirements of these devices.

JMV offers a dedicated combination surge protection device for the power supply unit and the receiving equipment from the harmful surges or transient generated due to direct or indirect effect of lightning. The Coaxial Surge Protector (CSP) family of surge protection devices which is designed to provide robust and reliable protection of coaxial antenna, Cable TV, Satellite TV and TV receptors (Aerial, cable or satellite).

F-Type Surge Protector is designed to limit transient overvoltage of atmospheric origin and divert current waves to earth, so as to limit the amplitude of this overvoltage to a value that is not hazardous for the data lines and communication lines. F-Type connector safeguards your expensive LED's, LCD's sensitive to damaging wave signals which give partial or permanent damage to your equipment. It is suitable as the 2nd level of surge protection in coordination with the FX type. It is installed at the boundary of LPZ 2 and LPZ 3 zones directly before the equipment. Available in 2 ports, 3 ports and 4 ports.

Advantages of F-Type Connector

- ❖ Coaxial surge protector low frequency
- ❖ Ensure interference-free signal transmission in all standard applications
- ❖ Robust metal housings provide the perfect shielding
- ❖ Suitable for use in harsh environments
- ❖ Low insertion loss

Applications

Suitable for domestic terrestrial, Cable TV, Satellite TV, Security TV systems and TV receptors (Aerial, cable or satellite)



Technical Specifications of F-Type Surge Protection Device

Model	BDL/ F-2/M
No. of Ports	2, 3, 4 ports
Housing material	Metal
Color	Blue
Standards for air and creep age distances	IEC 60664-1
Mounting Type	Connection-specific intermediate plugging
Interface	F-Type
Direction of action	L-Earth Ground
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C

Protective Circuit

Maximum continuous operating voltage (Uc)	60 VDC
Impulse current Iimp (10/350)µs	2kA
Maximum discharge surge current Imax(8/20)µs	10kA
Voltage protection level(Up)	< 600V
Stationary wave ratio	≤ 1.2
Response time(tr)	≤ 10 ns
Insertion loss	< 0.2 db
Insulation resistance	≥ 1000MΩ
Transmission power	300W
Band width(MHz)	0-2000
Impedance	50Ω

Standards

Standards/regulations	IEC 61643-21
	EN 50173-1