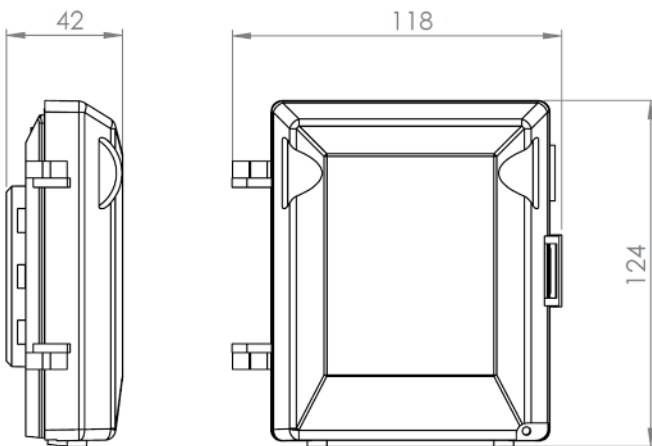


ORJ45-2CAT6

**Weather proof RJ45**

The Novaris ORJ45-2CAT6 protector has been designed for outdoor use, to protect security cameras, Wi-Fi and any other at-risk application. The Novaris ORJ45-2CAT6 product has been designed to protect 2 RJ45 circuits and is fully compatible with Cat6 and PoE++ and can handle up to 1A of current per signal pair at up to 80VDC.

Dimensions**Standards****IEC 61643-21:2012**

SPD connected to telecommunications and signalling networks - Cat C2, D1

AS/NZS 1768:2007

Signalling/Telecommunications surge protection

UL 497B

Protectors for data communications and fire-alarm circuits

ITU-T K.44: 2012

Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents

AS/CA S008:2010

Requirements for Customer Cabling Products

AS/NZS 4117:1999






Surge Protective Devices for Telecommunications Applications

AS/CA S009:2013











Installation requirements for customer cabling (Wiring rules)

Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		4 pair & shield
Modes of protection		Transverse & Common
Maximum continuous voltage (DC)	U_c	6V
Maximum PoE voltage		80VDC
Maximum continuous voltage (AC)	U_c	4V
Maximum discharge current (8/20 μ s)	I_{max}	5kA
Maximum common mode discharge current (8/20 μ s)		10kA
Maximum discharge current (10/350 μ s)		1kA
Maximum common mode discharge current (10/350 μ s)	I_{imp}	2kA
Impulse durability C2 10x8/20 μ s		1.5kA
Impulse durability D1 2x10/350 μ s		0.5kA
Maximum load current	I_L	1A
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
Line resistance		0.1 Ω
Line inductance		0.2 μ H
Attenuation @220MHz		1.7dB
NEXT @250 MHz		35.8dB
Return Loss @ 250MHz		11.2dB

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		85°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Cable tie
Environmental rating		IP54
Enclosure material		Polycarbonate
Terminal type		RJ45 socket
Earthing		Direct Via M4 stud
Length		118mm
Width		42mm
Height		124mm

Other Specifications

Product Code  ORJ45-2CAT6

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	20V
Voltage protection level @ 100 V/ s		9V
Capacitance	\pm	8pF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	350V
L-PE Voltage protection level @ 1.5 kA 8/20 μ s		500V
Voltage protection level @ 100 V/ s		230V
Capacitance	\pm	1.5pF

Shipping Specifications

Weight		200g
Customs tariff		85363000