

ORJ45-2CAT6

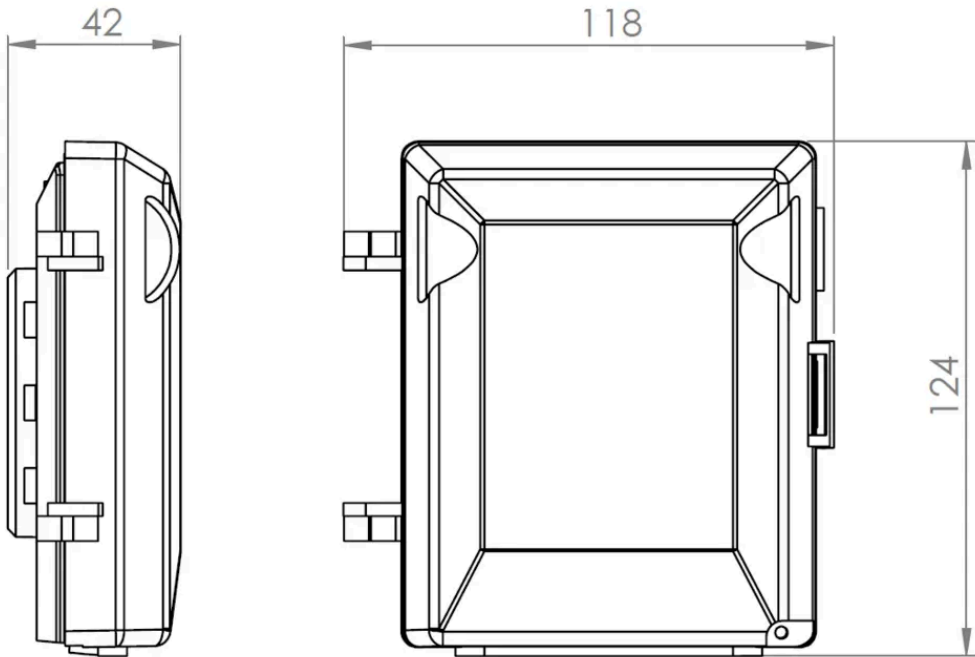
Weather proof RJ45

The Novaris ORJ45 protector has been designed for outdoor use, to protect security cameras, Wi-Fi and any other at-risk application. They are fully compatible with CAT6, CAT6A and PoE++ and can handle up to 1A of current per signal pair at up to 80VDC.








Image for illustrative purposes only

Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		2 x RJ45 / 4 pair & shield
Modes of protection		Transverse & Common
Maximum continuous voltage (DC)	U_c	6V
Maximum continuous voltage (AC)	U_c	4V
Maximum PoE voltage		80VDC
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)	I_{imp}	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		1A rms
Overstressed fault mode		Mode 3
Line resistance		0.1 Ω
Line inductance		0.2 μ H
Earthing		Direct Via M4 stud
Attenuation @220MHz		1.7dB
NEXT @250 MHz		35.8dB
Return Loss @ 250MHz		11.2dB











Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	20V
Voltage protection level @ 100 V/ s		9V
Capacitance	- -	1pF
Response time	t_A	1ps

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		750V
Voltage protection level @ 100 V/ s		230V
Capacitance	- -	<2pF

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
Length		118mm
Width		42mm
Height		124mm

Standard Specifications

IEC 61643-21	SPD connected to telecommunications and signalling networks - Cat C2, D1
AS 1768	Signalling/Telecommunications surge protection
UL 497B	Protectors for data, communications and fire-alarm circuits
ITU-T K.44	Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents
AS/CA S008	Requirements for Customer Cabling Products
AS/NZS 4117	Surge Protective Devices for Telecommunications Applications
AS/CA S009	Installation requirements for customer cabling (Wiring rules)

Shipping Specifications

Weight		200g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		ORJ45-2CAT6
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